

## Mémoire

## pour l'obtention de

# **l'Habilitation à Diriger des Recherches en Informatique**

présenté à

**l'Université Paris 1 Panthéon Sorbonne**

par

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# **Ingénierie et Architecture d'Entreprise et des Systèmes d'Information**

## *Concepts, Fondements et Méthodes*

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## Partie 2 :

PRODUCTION et ANIMATION  
de RECHERCHE



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# 1. PUBLICATIONS

## 1.1. Structuration par thème des articles représentatifs

### 1.1.1. Vue globale

La Table 1 montre la liste de mes publications depuis 1988, par ordre chronologique et par thématique. On peut voir dans cette table que mes activités autour des quatre thèmes 2, 3 et 4 se sont réalisées de manière entrelacée depuis 1996.

Afin de faciliter la lecture de ce document qui recueille les éléments significatifs de ma production scientifique, chaque thème se verra affecter d'un code de couleur différent dans la Table 1 (§ 1.1.1) et la Table 2 (§ 1.5) (*de même que les post-it qui marquent les séparations physiques des articles sélectionnés par thème*).

### Légende de la Table 1 :

99b (**17.21**): l'article [N99b], cité 21 fois, de rang 17 dans le h-index

[N99b] (**17.21**) S. Nurcan, C. Rolland. **Using EKD-CMM electronic guide book for managing change in organisations.** Proceedings of the 9th European-Japanese Conference on Information Modelling and Knowledge Bases, Iwate, Japan, May 24-28, 1999, p.105-123.

99b n'est pas noté en gras dans la Table 1 car l'article n'est pas joint à ce recueil.

**08c (3.41)** : article [N08c] cité 41 fois, de rang 3 dans le h-index

**[N08c] (3.41)** S. Nurcan. **A survey on the flexibility requirements related to business processes and modeling artifacts.** Proceedings of the 41st Annual Hawaii International Conference on System Sciences, Big Island, Hawaii, USA, 7-10 January 2008.

**08c** est noté en **gras** dans la Table 1 car **l'article est joint à ce recueil**. L'usage d'une police de caractère bleue dans les sections 1.1, 1.2, 1.3 porte la même signification.

**11c (11)** : article [N11c] cité 11 fois, il ne participe pas au h-index, mais a un potentiel d'évolution car cité 11 fois en un an.

**11c** est noté en **gras** dans la Table 1 car **l'article est joint à ce recueil**.

**[N11c] (11 fois)** G. Bruno, F. Dengler, B. Jennings, R. Khalaf, S. Nurcan, M. Prilla, M. Sarini, R. Schmidt, R. Silva. **Key challenges for enabling Agile BPM with Social Software.** Journal of Software Maintenance and Evolution: Research and Practice, incorporating Software Process: Improvement and Practice, Special Issue on BPM'09 selected workshop papers, Volume 23, Issue 4, pp. 297-326, June 2011.

	Type de publication	Thèse	Thème 1	Thème 2	Thème 3	Thème 4
1988	Rapport Rech.	88a, 88b, 88c				
1989	Livrable projet	89c				
	Conf. Nat.	89b				
	Journal Nat.	89a				
1990	Rapport Rech.	90e, 90f				
	Conf. Nat.	90d				
	Conf. Intern.	90a, 90b, 90c				
1991	Conf. Intern.	91a				
1992						
1993						
1994	Conf. Nat.	94a				
1995	Rapport Rech.	95c				
	Conf. Nat.	95a	95b			
1996	Rapport Rech.	96d (9)	96c	96e	96e	
	Conf. Intern.	96a (19.19)	96b			
	Journal Nat.					
1997	Rapport Rech.	97d	97e	97e	97h (1.71)	97f
	Whsp Intern.	97b (15)	97b		97g	97i
	Conf. Intern.				97a (18.19)	97c (15)
1998	Rapport Rech.				98i	98k
	Whsp Intern.				98f (16)	
	Conf. Intern.	98b	98e	98d (7.34) 98e(16.22)	98e	98g (12) 98h (13)
	Journal Intern.	98a (8.32)				
1999	Whsp Intern.				99c (13)	99c
	Conf. Intern.				99b (17.21)	99d (12)
	Journal Intern.				99a (9.28)	
2000	Journal Intern.	00a			00b (4.40)	00b
2001	Rapport Rech.					
2002	Rapport Rech.				02d	02d
	Conf. Nat.				02c	
	Conf. Intern.				02b (13)	02b
	Journal Nat.					
	Chapitre livre	02a		02a		
2003	Rapport Rech.					
	Whsp Intern.					
	Journal Intern.				03a (5.39)	03b (11) 03b
2004	Whsp Intern.		04c	04a	04a(11) 04b (14)	
	Conf. Intern.					
2005	Whsp Intern.	05c	05d	05b (10.24)	05b	
	Conf. Intern.					
	Journal Intern.	05a (2.47)				
2006	Whsp Intern.	06d (11.24)				
	Conf. Intern.	06c				
	Chapitre livre				06b	
					06a	
2007	Atelier sans CL	07j			07h	07i
	Wksp Nat.	07g				
	Wksp Intern.			07f (6.36)		
	Conf. Intern.	07b	07c		07d	
	Journal Intern.	07a (15.22)				07e
2008	Wksp Nat.	08i				
	Wksp Intern.	08f (14.22)	08g			
	Conf. Nat.	08h				
	Conf. Intern.	08c (3.41)	08d			
	Editeur revue		08a		08b	08e 08e
2009	Wksp Intern.	09a	09b (12.23) 09d	09f	09d	09g
	Conf. Intern.	09c				
	Journal Nat.				09e	09h
	Edititeur revue/actes	09i				
2010	Wksp Nat.		10j			
	Wksp Intern.	10c	10d	10l	10o	10b 10f 10n
	Conf. Intern.					10m
	Journal Intern.	10a (8)				10e
	Edititeur revue/actes		10g (13.22)		10i 10k	10p
2011	Conf. Intern.		11a	11d		
	Journal Intern.		11c (11)			
	Edititeur revue/actes				11b 11e	
2012	Wksp Intern.		12c 12f	12g	12h	12b
	Conf. Intern.			12a	12d	12e
	Edititeur revue/actes					





### 1.1.2. Thème 1 : Travail coopératif et modélisation de Workflow

[N02a] P. Vidal, S. Nurcan. **Coordination des actions organisationnelles et modélisation des processus**, in Frantz Rowe (ed), Faire de la recherche en systèmes d'information, Chapitre 12, Vuibert, Collection éditée avec la FNEGE, 2002.

=> lien vers Thème 3

[N00a] S. Nurcan, C. Rolland. **Contributions of Workflow to quality requirements**. Knowledge and Process Management: the Journal of Corporate Transformation, John Wiley, 7:1, 2000, p. 41-55.

**[N98a] (8.32)** S.Nurcan. **Analysis and design of co-operative work processes : a framework**. Information and software technology, Elsevier, 40:3, 1998, p.143-156.

[N98b] S. Nurcan. **Main concepts for cooperative work place analysis**. Proceedings of the XV. IFIP World Computer Congress Telecooperation, 31 août - 4 sept. 1998, Vienna, Austria, p. 21-36.

**[N97b] (15 fois)** S.Nurcan, C.Rolland. **Meta-modelling for cooperative processes**. The 7th European-Japanese Conference on Information Modelling and Knowledge Bases, May 27-30, 1997, Toulouse, p. 361-377.

=> lien vers Thème 2

[N97d] S.Nurcan, C.Rolland. **A meta-model for goal driven cooperative work processes**. First Workshop on the Many Facts of process Engineering, September 22-23, 1997, Gammarth, Tunisie, p. 245-260.

=> lien vers Thème 2

**[N96a] (19.19)** S.Nurcan. **Analyse et conception de systèmes d'information coopératifs**. Numéro thématique "Multimédia et collecticiel" de TSI (Techniques et Science Informatiques), Vol. 15, n° 9, 1996, p. 1287-1315.

**[N96b]** S.Nurcan. **L'apport du workflow dans une démarche qualité**. Ingénierie des Systèmes d'Information, Vol. 4, n° 4, 1996, p. 463-489.

[N96c] S.Nurcan, C.Gnaho, C.Rolland. **Defining Ways-of-working for Cooperative Work Processes**. First International Conference on Practical Aspects of Knowledge Management. Workshop on Adaptive Workflow, Oct. 30-31, 1996, Basel, Suisse.

=> lien vers Thème 2

[N96d] (9 fois) S.Nurcan. **A method for Cooperative Information Systems Analysis and Design: CISAD**. Second International Conference on the Design of Cooperative Systems (COOP'96), Juan-Les-Pins, 12-14 juin 1996, p.681-700.

[N95a] S.Nurcan, J.-Y.Trolliet. **Une méthode d'analyse et de conception pour les applications workflow**. 13ème congrès INFORSID, 31 mai-2 juin 1995, Grenoble, p. 453-472.

[N95b] S.Nurcan, J.-L.Chirac. **Quels modèles choisir pour les applications coopératives mettant en oeuvre les technologies de workflow et de groupware ?** Congrès AFCET '95, Nouveaux modes de communication, 26-27 octobre 1995, Toulouse, pp.593-602.

### 1.1.3. Thème 2 : Modélisation déclarative et adaptative des processus d'entreprise

**[N98d] (7.34)** S. Nurcan, G. Grosz, C. Souveyet. **Describing business processes with a guided use case approach**. The 10th Conference on Advanced Information Systems Engineering CAISE'98, 8-12 June 1998, Pisa, Italy Lecture Notes in Computer Science 1413, p. 339-362.

**[N98e] (16.22)** C. Rolland, S. Nurcan, G. Grosz. **A unified framework for modelling co-operative design processes and co-operative business processes**. Proceedings of the 31st Annual Hawaii International Conference on System Sciences, Big Island, Hawaii, USA, 6-9 January 1998.

⇒ lien vers Thème 3

[N04c] S. Nurcan. **A Conceptual Framework for Intention Driven Flexible Workflow Modeling.** The Fifth Workshop on Business Process Modelling, Development, and Support (BPMDS'04, (in association with the CAISE'04 Conference), Springer Verlag (pub) , June 5-6, 2004, Riga, Lettonie.

**[N05a] (2.47)** S. Nurcan, A. Etien, R. Kaabi, I. Zoukar, C. Rolland. **A Strategy Driven Business Process Modelling Approach.** Special issue of the Business Process Management Journal on "Goal-oriented business process modeling", Emerald, 11:6, 2005.

**[N05b] (10.24)** S. Nurcan, M.-H. Edme. **Intention Driven Modelling for Flexible Workflow Applications.** Special issue of the Software Process: Improvement and Practice Journal on "Business Process Management, Development and Support", 10:4, 2005.

=> lien vers Thème 3

[N05c] F. Daoudi, S. Nurcan. **A Framework to Evaluate Methods' Capacities to Design Flexible Business processes.** The Sixth Workshop on Business Process Modelling, Development, and Support (BPMDS'05, (in association with the CAISE'05 Conference), Springer Verlag (pub), June 12-17, 2005, Porto, Portugal.

[N05d] S. Nurcan, A. Hicheur. **A Comparative State-of-the-Art for Flexible Workflow Modeling.** The "Business Process Management Tools and Technologies" track of the 2005 Information Resources Management Association International Conference- May 15-18, 2005, San Diego, USA.

[N06c] O. Saidani, S. Nurcan. FORBAC: **A Flexible Organisation and Role-Based Access Control Model for Secure Information Systems.** Fourth Biennial International Conference on Advances in Information Systems - October 18-20, 2006, Izmir, Turkey.

**[N06d] (11.24)** O. Saidani, S. Nurcan. **A role based approach for modeling flexible business processes.** The 7th Workshop on Business Process Modelling, Development, and Support (BPMDS'06), (in association with the CAISE'06 Conference), Springer Verlag (pub), Juin 5-6, 2006, Luxembourg.

**[N07a] (15.22)** F. Daoudi, S. Nurcan. **A benchmarking framework for methods to design flexible business processes.** Special issue of the Software Process: Improvement and Practice Journal on "Business Process Management, Development and Support", 12:1, 2007.

[N07b] S. Nurcan. **Business Process Modelling and Requirements for Flexibility.** International Conference on Interoperability for Enterprise Software and Applications (I-ESA'2007), March 28-30, 2007, Madeira, Portugal.

[N07c] O. Saidani, S. Nurcan. **Multi-Level Delegation for Flexible Business Process Modeling.** The "Business Process Management" track of the 2007 Information Resources Management Association International Conference- May 19-23, 2007, Vancouver, British Columbia, Canada.

**[N07f] (6.36)** O. Saidani, S. Nurcan. **Towards Context Aware Business Process Modelling.** The 8th Workshop on Business Process Modelling, Development, and Support (BPMDS'07, (in association with the CAISE'07 Conference), Springer Verlag (pub), June 11-12, 2007, Trondheim, Norway.

[N07g] O. Saidani, S. Nurcan. **Prise en Compte de l'Utilisateur dans l'Ingénierie des Processus Métier.** Le 1er workshop Prise en compte de l'utilisateur dans les systèmes d'information (PeCUSI'07), (en association avec INFORSID'07), Springer Verlag (pub), May 22, 2007, Perros Guirec, France.

[N07j] O. Saidani, S. Nurcan. **Prise en Compte de l'Aspect Décisionnel dans l'Ingénierie et la Gestion des Processus d'Entreprise.** Le 4ème workshop "Ingénierie et Gestion des Processus d'Entreprise" des Groupements de Recherche I3 et MACS du CNRS, *Dynamique des organisations et création de valeur : Apports des typologies et des cartographies de processus*, 15 Mai 2007, Paris.

**[N08c] (3.41)** S. Nurcan. **A survey on the flexibility requirements related to business processes and modeling artifacts.** Proceedings of the 41st Annual Hawaii International Conference on System Sciences, Big Island, Hawaii, USA, 7-10 January 2008.

[N08d] O. Saidani, S. Nurcan. **Towards situational Business Process Modeling.** 20th International Conference on Advanced Information Systems Engineering (CAISE'08 Forum), June 16-20, 2008, Montpellier, France.

**[N08f] (14.22)** K. Bessai, B. Claudepierre, O. Saidani, S. Nurcan. **Context-aware Business Process Evaluation and Redesign.** The 9th Workshop on Business Process Modelling, Development, and Support (BPMDS'08, (in association with the CAISE'08 Conference), CEUR (pub), June 16-17, 2008, Montpellier, France.

[N08g] O. Saidani, S. Nurcan. **Meta-model Tailoring for Situation-aware Business Process Modelling.** Workshop on Model Driven Information Systems Engineering : Enterprise, User and System

Models MoDISE-EUS'08 (in association with the CAISE'08 Conference), CEUR (pub), June 16-17, 2008, Montpellier, France.

[N08h] K. Bessai, S. Nurcan. **Guider le choix d'un formalisme de modélisation de processus: Démarche multicritère basée sur les patrons.** 26 ème congrès INFORSID, 27-30 Mai 2008, Fontainebleau, France.

[N08i] O. Saidani, S. Nurcan. **Meta-model Tailoring for Situation-aware Business Process Modelling.** Atelier IESI, Ingénierie d'Entreprise et de Systèmes d'Information (en association avec INFORSID'08), 27 Mai 2008, Montpellier, France.

[N09c] O. Saidani, S. Nurcan. **Context-Awareness for adequate business process modelling.** Third International Conference on Research Challenges in Information Science (RCIS'09), Fes, Maroc, 22-24 April 2009.

[N09d] K. Bessai, S. Nurcan. **An actor-driven approach for business processes - How to take into account the environment of work?** The 10th Workshop on Business Process Modelling, Development, and Support (BPMDS'09), (in association with the CAISE'09 Conference), LNBIP 29 (Springer), June 8-9, 2009, Amsterdam, The Netherlands.

[N09f] S. Najar, O. Saidani, M. Kissch-Pinheiro, C. Souveyet, S. Nurcan. **Semantic representation of context models : a framework for analyzing and understanding.** Workshop on Context, Information and Ontologies (CIAO2009) in conjunction with the 6th European Semantic Web Conference (ESWC2009), June 1st, 2009, Heraklion, Greece.

[N10a] (8 fois) C. Rolland, S. Nurcan. **Business Process Lines to deal with the Variability.** Proc. of the 43d Annual Hawaii Int. Conference on System Sciences, Kauai, Hawaii, USA, 5-8 January 2010.

[N10g] (13.22) S. Erol, M. Granitzer, S. Happ, S. Jantunen, B. Jennings, A. Koschmider, S. Nurcan, D. Rossi, R. Schmidt, P. Johannesson. **Combining BPM and Social Software : Contradiction or Chance ?** Special issue of the Software Process: Improvement and Practice Journal on "BPM 2008 selected workshop papers", Volume 22, Issue 6-7, pp. 449-476, October-November 2010.

[N10j] K. Bessai, S. Nurcan. **Composition de Workflow-nets : condition de préservation de la k-soundness.** Atelier IESI, Ingénierie d'Entreprise et de Systèmes d'Information (en association avec INFORSID'2010), 25 Mai 2010, Toulouse, France.

[N10l] I. Rychkova, S. Nurcan. **The Old Therapy for the New Problem: Declarative Configurable Process Specifications for the Adaptive Case Management Support.** 3d Int. Workshop on BPM and Social Software (BPMS2'2010). Proceedings of the BPM 2010 Workshops. Hoboken, New Jersey, USA, 13 September 2010. LNBIP 66, pp.420-432. Springer-Verlag.

[N11a] I. Rychkova, S. Nurcan. **Towards Adaptability and Control for Knowledge-Intensive Business Processes: Declarative Configurable Process Specifications.** Proceedings of the 44th Annual Hawaii International Conference on System Sciences, Kauai, Hawaii, USA, 4-7 January 2011.

[N11c] (11 fois) G. Bruno, F. Dengler, B. Jennings, R. Khalaf, S. Nurcan, M. Prilla, M. Sarini, R. Schmidt, R. Silva. **Key challenges for enabling Agile BPM with Social Software.** Journal of Software Maintenance and Evolution: Research and Practice, incorporating Software Process: Improvement and Practice, Special Issue on BPM'09 selected workshop papers, Volume 23, Issue 4, pp. 297-326, June 2011.

[N11d] I. Rychkova, R. Deneckère, S. Nurcan. **Modeling the role variability in the MAP process model.** Fifth International Conference on Research Challenges in Information Science (RCIS'11), Le Gosier, Gouadeloupe, 19-21 May 2011.

[N12c] K. Bessai, S. Youcef, A. Oulamara, C. Godart, S. Nurcan. **Bi-criteria workflow tasks allocation and scheduling in Cloud computing environments.** 5th International Conference on Cloud Computing (CLOUD'2012), Honolulu, Hawaii, USA, June 24-29, 2012.

[N12f] K. Bessai, S. Youcef, C. Godart, A. Oulamara, S. Nurcan. **Multi-objective resources allocation approaches for workflow applications in Cloud environments (Poster).** 20th International Conference on Cooperative Information Systems (CoopIS'2012), Roma, Italy, September 10-14, 2012.

[N12g] K. Bessai, S. Youcef, A. Oulamara, C. Godart, S. Nurcan. **Resources allocation and scheduling approaches for business process applications in Cloud contexts.** 4th IEEE International Conference on Cloud Computing technology and Science (Cloud Com'2012), Taipei, Taiwan, December 3-6, 2012.

[N12h] K. Bessai, S. Youcef, C. Godart, S. Nurcan. **Business Process Compositions: Preserving k-soundness property.** The 2012 IEEE Asia-Pacific Services Computing Conference (APSCC'2012), Guilin, China, December 6-8, 2012

#### *1.1.4. Thème 3 : Des processus métier à la modélisation d'entreprise*

[N97a] (18.19) C.Rolland, S.Nurcan, G.Grosz. **Guiding the participative design process.** Association for Information Systems, Americas Conference on Information Systems, 15-17 August 1997, Indianapolis, Indiana, USA, p. 922-924.

[N97c] (15 fois) C.Rolland, S.Nurcan, G.Grosz. **A way of working for change processes.** Int. Research Symposium '97 - Effective Organisations, Sept. 4-5, 1997, Dorset, UK, p. 201-204.

[N97e] C. Rolland, G. Grosz, S. Nurcan. **An introduction to the EKD process.** ELEKTRA Research Report (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, February 1997, 35 pages

[N97f] C. Rolland, G. Grosz, S. Nurcan. **Walk through EKD models and process with an example : a bottom-up approach illustration.** ELEKTRA Research Report (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, February 1997, 83 pages.

[N97g] C. Rolland, G. Grosz, S. Nurcan. **An overview of the PPC documents following a process approach.** ELEKTRA Research Report (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, February 1997, 118 pages.

[N97h] (1.71) P. Loucopoulos, V. Kavakli, N. Prekas, C. Rolland, G. Grosz, S. Nurcan. **Using the EKD approach : The modelling component.** ELEKTRA Athena Deliverable (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, July 1997.

[N97i] P. Loucopoulos, V. Kavakli, N. Prekas, C. Rolland, G. Grosz, S. Nurcan. **PPC Distribution Models.** Research Report, ELEKTRA Athena Deliverable (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, July 1997.

#### **Accent sur l'aspect méthodologie d'ingénierie**

[N98c] (11 fois) C. Rolland, G. Grosz, S. Nurcan, W. Yue, C. Gnaho. **An electronic handbook for accessing domain specific generic patterns.** IFIP WG 8.1 Working Conference : Information Systems in the WWW environment, 15-17 July 1998, Beijing, China, C.Rolland, M. Fang and Y. Chen (eds.), Chapman & Hall, p. 89-111.

[N98f] (16 fois) C.Rolland, P. Loucopoulos, G. Grosz, S.Nurcan. **A framework for generic patterns dedicated to the management of change in the electricity supply industry.** Proceedings of the 9th International Workshop on Database and Expert Systems Applications (DEXA'98), August 26-28, 1998, Vienna, Austria, p. 907-912.

[N98g] (12 fois) C. Rolland, G. Grosz, P. Loucopoulos, S. Nurcan. **A framework for encapsulating best business practices for electricity supply industry into generic patterns.** 2nd IMACS International Conference on Circuits, Systems and Computers (IMACS-CSC'98), 26-29 October 1998, Pireus, Greece.

#### **Capitalisation en vue de Réutilisation pendant l'évolution**

[N98h] (13 fois) P. Loucopoulos, V. Kavakli, N. Prekas, I. Dimitromanolaki, N.Yilmazturk, C. Rolland, G. Grosz, S. Nurcan, D. Beis, and G. Vgontzas. **The ELEKTRA project : Enterprise Knowledge Modelling for change in the distribution unit of Public Power Corporation.** 2nd IMACS International Conference on Circuits, Systems and Computers (IMACS-CSC'98), 26-29 October 1998, Pireus, Greece.

[N98i] C. Rolland, G. Grosz, S. Nurcan. **Generic patterns for the ESI sector.** ELEKTRA Research Report (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, January 1998, 27 pages.

[N98j] G. Grosz, P. Loucopoulos, S. Nurcan, C. Rolland. **The patterns model.** ELEKTRA Research Report (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, February 1998, 30 pages.

[N98k] C. Rolland, G. Grosz, S. Nurcan. **Approach to change process modelling.** ELEKTRA Research Report (Projet ESPRIT IV), Centre de Recherche en Informatique, Université Paris 1, March 1998, 32 pages.

[N99a] (9.28) C. Rolland, S. Nurcan, G. Grosz. **Enterprise Knowledge Development: the process view.** Information and Management Journal, Elsevier, 36:3, 1999, p. 165-184.

[N99b] (17.21) S. Nurcan, C. Rolland. **Using EKD-CMM electronic guide book for managing change in organisations.** Proceedings of the 9th European-Japanese Conference on Information Modelling and Knowledge Bases, Iwate, Japan, May 24-28, 1999, p.105-123.

[N99c] (13 fois) C. Rolland, P. Loucopoulos, V. Kavakli, S. Nurcan. **Intention based modelling of organisational change: an experience report.** Proceedings of the Fourth CAISE/IFIP 8.1 International

Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (EMMSAD'99), Heidelberg, Germany, June 14-15, 1999.

[N99d] (12 fois) S. Nurcan, J. Barrios, G. Grosz, C. Rolland. **Change process modelling using the EKD - Change Management Method.** Proceedings of the 7th European Conference on Information Systems, ECIS'99, Copenhagen, Denmark, June 23-25, 1999, p.513-529.

[N00b] (4.40) C. Rolland, S. Nurcan, G. Grosz. **A Decision Making Pattern for Guiding the Enterprise Knowledge Development Process.** Journal of Information and Software Technology, Elsevier, 42:5, 2000, p. 313-331.

[N02b] (13 fois) S. Nurcan, J. Barrios, C. Rolland. **Une méthode pour la définition de l'impact organisationnel du changement.** Numéro Spécial de la Revue Ingénierie des Systèmes d'Information "Connaissances Métier dans l'Ingénierie des SI (article étendu à partir d'une communication sélectionnée du Congrès INFORSID 2002). Volume 7, N° 4, Hermès, 2002.

[N02c] J. Barrios, S. Nurcan. **MeDIC: A Method Engineering Proposal for the Analysis and Representation of the Organisational Impact of Change.** Proc. of the 2002 International Conference on Software Engineering Research and Practice SERP'02 - June 24-27, 2002, Las Vegas, USA.

[N02d] S. Nurcan, J. Barrios, C. Rolland. **Une méthode pour la définition de l'impact organisationnel du changement.** 20ème congrès INFORSID, 5-7 juin 2002, Nantes.

[N03a] (5.39) S. Nurcan, C. Rolland. **A multi-method for defining the organizational change.** Journal of Information and Software Technology, Elsevier. 45:2, 2003, p. 61-82.

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[N03b] (11 fois) S. Nurcan, J. Barrios. **Enterprise Knowledge and Information System Modelling in an Evolving Environment.** Proceedings of the First International Workshop on Engineering Methods to Support Information Systems Evolution in conjunction with OOIS'03 - September 5, 2003, Geneva, Switzerland.

=> lien vers Thème 4

[N04a] (11 fois) S. Nurcan. **Business Process Modeling for developing Process Oriented IT Systems.** The "Business Process Management Tools and Technologies" track of the 2004 Information Resources Management Association International Conference- May 23-26, 2004, New Orleans, USA.

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[N04b] (14 fois) J. Barrios, S. Nurcan. **Model Driven Architectures for Enterprise Information Systems.** the 16th Conference on Advanced Information Systems Engineering, (CAISE'04), Springer Verlag (pub) , June 7-9, 2004, Riga, Lettonie.

[N06a] S. Nurcan, C. Rolland. **50 ans de systèmes d'information : de l'automatisation des activités individuelles à l'amélioration des processus et la création de valeur ajoutée,** Chapitre de l'ouvrage collectif, coordonné par J. Caby et G. Schmidt, 50 ans de l'IAE de Paris, 50 ans de management, Pearson, 2006.

[N06b] S. Nurcan, Z. Song. **A framework for situating Business Process Engineering approaches: an illustration with ARIS and EKD-CMM.** The "Business Process Management" track of the 2006 Information Resources Management Association International Conference- May 21-24, 2006, Washington, USA.

[N07h] I. Gmati, S. Nurcan. **Un cadre de référence pour analyser les exigences d'alignement Métier/Systèmes d'Information.** Le 4ème workshop "Ingénierie et Gestion des Processus d'Entreprise" des Groupements de Recherche I3 et MACS du CNRS, *Dynamique des organisations et création de valeur : Apports des typologies et des cartographies de processus*, 15 Mai 2007, Paris.

[N07d] I. Gmati, S. Nurcan. **A Framework for Analyzing Business/Information System Alignment Requirements.** International Conference on Enterprise Information Systems (ICEIS'07), June 12-16, 2007, Madeira, Portugal.

[N08e] S. Nurcan, B. Claudepierre, I. Gmati. **Conceptual Dependencies between two connected IT domains: Business/IS alignment and IT governance.** Second International Conference on Research Challenges in Information Science (RCIS'08), Marrakech, Maroc, 3-6 June 2008.

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[N10e] I. Gmati, I. Rychkova, S. Nurcan. **On the Way from Research Innovations to Practical Utility in Enterprise Architecture: The Build-Up Process.** International Journal of Information System Modeling and Design (IJISMD). Volume 1, Issue 3, 2010. p. 20-44.

[N10f] I. Gmati, I. Rychkova, J. Barrios, S. Nurcan. ***Return on Experience of the Implementation of a Business-IT alignment Approach: Theory and Practice***. 5th Workshop on BUSiness/IT Alignment and Interoperability (BUSITAL'2010) associé à CAISE'2010, Hammamet, Tunisia, 7 June 2010.

[N10m] I. Gmati, M. Missikoff, S. Nurcan. ***A Systematic Method for the Intentional Modeling and Verification of Business Applications***. 7th Conference of the Italian Chapter of AIS (itAIS'2010), Information Technology and Innovation Trends in Organizations, Naples, Italy, 8-9 October 2010.

[N12b] J. Simonin, S. Nurcan, J. Gourmelen. ***Weighted Alignment Measures of Enterprise Architecture Viewpoints***. 7th Workshop on BUSiness/IT Alignment and Interoperability (BUSITAL'2012) associé à CAISE'2012, Gdansk, Poland, 25 June 2012.

### 1.1.5. Thème 4 : Vers la gouvernance du système d'information

[N07i] B. Claudepierre, S. Nurcan. ***Proposition d'un cadre de référence pour la gouvernance des Systèmes d'Information***. Le 4ème workshop "Ingénierie et Gestion des Processus d'Entreprise" des Groupements de Recherche I3 et MACS du CNRS, *Dynamique des organisations et création de valeur : Apports des typologies et des cartographies de processus*, 15 Mai 2007, Paris.

[N07e] B. Claudepierre, S. Nurcan. ***A Framework for Analyzing IT governance approaches***. International Conf. on Enterprise Information Systems (ICEIS'07), June 12-16, 2007, Madeira, Portugal.

[N08e] S. Nurcan, B. Claudepierre, I. Gmati. ***Conceptual Dependencies between two connected IT domains: Business/IS alignment and IT governance***. Second International Conference on Research Challenges in Information Science (RCIS'08), Marrakech, Maroc, 3-6 June 2008.

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[N09g] B. Claudepierre, S. Nurcan. ***ITGIM: An intention-driven approach for analyzing the IT Governance requirements***. The 3d International Workshop on Requirements, Intentions and Goals in Conceptual Modeling (RIGiM 2009), in conjunction with the 28th International Conference on Conceptual Modeling (ER 2009), 9-12 November 2009, Gramado, Brazil.

[N09h] B. Claudepierre, S. Nurcan. ***Constats et fondements pour des méthodes d'ingénierie de systèmes d'information dirigées par les exigences de gouvernance***. Numéro Spécial RCIS'08 de la Revue Ingénierie des Systèmes d'Information. Volume 14, N° 4, Hermès, 2009.

### 1.1.6. Exploration des sujets émergents à travers de l'organisation de workshops

## Ouverture Thème 2

[N08a] S. Nurcan, R. Schmidt, P. Soffer, E. Hunt, X. Franch, R. Coletta (BPMDS'08 Volume Editors). ***Proceedings of the 9th Workshop on Business Process Modeling, Development and Support*** (BPMDS'08) (*Business Process Life-Cycle: Design, Deployment, Operation & Evaluation*) held in conjunction with CAiSE'08. Montpellier, France, June 16-17, 2008. CEUR Workshop Proceedings. ISSN 1613-0073.

[N09a] S. Nurcan, R. Schmidt. ***Introduction to the First International Workshop on Business Process Management and Social Software (BPMS2'08)***. Proceedings of the BPM 2008 Workshops, LNBIP 17, pp. 623-624, 2009. Springer-Verlag.

[N09b] (12.23) R. Schmidt, S. Nurcan. ***BPM and Social Software***. Proceedings of the BPM 2008 Workshops, LNBIP 17, pp. 625-634, 2009. Springer-Verlag.

BPMS2'08 a conduit à un papier de journal 2010g, Thème 2, [N10g] cité 22 fois

[N09i] I. Bider, S. Nurcan, R. Schmidt, P. Soffer (Guest Editors). Special Issue on ***Adequate Design of Business Processes and Support Systems: Usability, Best Practices, Theory, ... - Are they the right answers?*** in the Int. Journal of Business Process Integration and Management (IJBPIM), 4(2), 2009. Special Issue of the 8th Workshop of Business Process Modeling, Development and Support (BPMDS'07).

[N10c] S. Nurcan, R. Schmidt. ***Introduction to the Second International Workshop on Business Process Management and Social Software (BPMS2'09)***. Proceedings of the BPM 2009 Workshops, pp. 197-199, LNBIP 43. Springer-Verlag.

[N10d] R. Schmidt, S. Nurcan. ***Augmenting BPM with Social Software***. Proceedings of the BPM 2009 Workshops, pp. 201-206, LNBIP 43, Springer-Verlag.

BPMS2'09 a conduit à un papier de journal, Thème 2, [N11c]

[N10o] S. Nurcan, R. Schmidt. ***Introduction to the Second International Workshop on Business Process Management and Social Software*** (*BPMS2'10*). Proceedings of the BPM 2010 Workshops, pp. 355-358, LNBIP 66. Springer-Verlag.

[N10h] I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, R. Ukor (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. LNBIP 50 Springer. 11th International Workshop BPMDS (*Multi Dimensional Perspectives on Business Processes*) and 15th International Conference EMMSAD at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010.

[N11h] S. Nurcan, R. Schmidt. ***Introduction to the Fourth International Workshop on Business Process Management and Social Software*** (*BPMS2'11*). Proceedings of the BPM 2011 Workshops, LNBIP. Springer-Verlag.

[N12a] S. Nurcan, R. Schmidt, I. Bider, G. Regev (Guest Editors). Special Issue on ***Business Processes Life Cycle: design, deployment, operation and evaluation*** in the International Journal of Software Maintenance and Evolution (JSME), Vol. 24, Issue 3, 2012. Special Issue of the 9th Workshop of Business Process Modeling, Development and Support (BPMDS'08).

## Ouverture thème 3

[N08b] S. Ebersold, A. Front, P. Lopistéguy, S. Nurcan, X. Franch, E. Hunt, R. Coletta (MoDISE-EUS'08 Editors). ***Proceedings of the Workshop on Model Driven Information Systems Engineering: Enterprise, User and System Models*** (MODISE-EUS'08) held in conjunction with the CAiSE'08 Conference. Montpellier, France, June 16-17, 2008. CEUR Workshop Proceedings. ISSN 1613-0073.

[N09e] T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, R. Ukor (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. LNBIP 29 Springer. 10th International Workshop BPMDS (*Drivers of Business Process Development: Business, IT, Compliance*) and 14th International Conference EMMSAD at CAiSE 2009, Amsterdam, The Netherlands, June 8-9, 2009.

[N10b] S. Nurcan, R. Schmidt. ***Service-oriented Enterprise Architecture for Enterprise Engineering: Introduction***. Proceedings of EDOC 2009 IEEE Workshops and Short papers.

[N10i] S. Nurcan, K. Benali, H. Pingaud (Editeurs invités). 1er Numéro Spécial sur ***Ingénierie d'Entreprise et de Systèmes d'Information (IESI)*** de la revue Ingénierie de Systèmes d'Information (ISI), Hermes Lavoisier, Vol. 15, N° 4, 2010.

[N10n] S. Nurcan, R. Schmidt. ***Introduction to the Second International Workshop Service-oriented Enterprise Architecture for Enterprise Engineering*** (*SoEA4EE'10*). Proceedings of EDOC 2010 IEEE Workshops and Short papers.

[N10p] S. Nurcan, K. Benali, H. Pingaud (Editeurs invités). 2ème Numéro Spécial ***IESI, Modélisation d'entreprise et interopérabilité***, de la revue Ingénierie de Systèmes d'Information (ISI), Hermes Lavoisier, Vol. 15, N° 5, 2010.

[N11b] S. Nurcan, R. Schmidt, P. Soffer, R. Ukor (Guest editors). Special Issue on "***Drivers of Business Process Development: Business, IT, Compliance***" in the International Journal of Information System Modeling and Design (IJISMD), Special Issue of the 10th Workshop of Business Process Modeling, Development and Support (BPMDS'09), 2011, Vol. 2, Issue 2, 2011.

[N11e] T. Halpin, S. Nurcan, J. Krogstie, P. Soffer, E. Proper, R. Schmidt, I. Bider (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. LNBIP 81 Springer. 12th International Conference BPMDS and 15th Int. Conference EMMSAD at CAiSE 2011, London, UK, June 20-21, 2011.

[N11g] S. Nurcan, R. Schmidt. ***Introduction to the Third International Workshop Service-oriented Enterprise Architecture for Enterprise Engineering*** (*SoEA4EE'11*). Proceedings of EDOC 2011 IEEE Workshops and Short papers.

[N12d] S. Nurcan (Editor). *IS Olympics: Information Systems in a Diverse World, CAiSE'11 Forum Post-Proceedings, Selected extended papers*, LNBIP 107. London, June 20-24, 2011.

[N12e] I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, S. Wrycza (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. LNBIP 113 Springer. 13th International Conference BPMDS and 16th International Conference EMMSAD at CAiSE 2012, Gdańsk, Poland, June 25-26, 2012.

## 1.2. Liste complète des publications dans l'ordre chronologique



2012

- [N12a] S. Nurcan, R. Schmidt, I. Bider, G. Regev (Guest Editors). Special Issue on **Business Processes Life Cycle: design, deployment, operation and evaluation** in the International Journal of Software Maintenance and Evolution (JSME), Vol. 24, Issue 3, 2012. Special Issue of the 9th Workshop of Business Process Modeling, Development and Support (BPMDS'08).
- [N12b] J. Simonin, S. Nurcan, J. Gourmelen. **Weighted Alignment Measures of Enterprise Architecture Viewpoints**. 7th Workshop on BUSINESS/IT Alignment and Interoperability (BUSITAL'2012) associé à CAiSE'2012, Gdansk, Poland, 25 June 2012.
- [N12c] K. Bessai, S. Youcef, A. Oulamara, C. Godart, S. Nurcan. **Bi-criteria workflow tasks allocation and scheduling in Cloud computing environments**. 5th International Conference on Cloud Computing (CLOUD'2012), Honolulu, Hawaii, USA, June 24-29, 2012.
- [N12d] S. Nurcan (Editor). *IS Olympics: Information Systems in a Diverse World, CAiSE'11 Forum Post-Proceedings, Selected extended papers*, LNBIP 107. London, June 20-24, 2011.
- [N12e] I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, S. Wrycza (Editors). **Enterprise, Business-Process and Information Systems Modeling**. LNBIP 113 Springer. 13th International Conference BPMDS and 16th International Conference EMMSAD at CAiSE 2012, Gdansk, Poland, June 25-26, 2012.
- [N12f] K. Bessai, S. Youcef, C. Godart, A. Oulamara, S. Nurcan. **Multi-objective resources allocation approaches for workflow applications in Cloud environments** (Poster). 20th International Conference on Cooperative Information Systems (CoopIS'2012), Roma, Italy, September 10-14, 2012.
- [N12g] K. Bessai, S. Youcef, A. Oulamara, C. Godart, S. Nurcan. **Resources allocation and scheduling approaches for business process applications in Cloud contexts**. 4th IEEE International Conference on Cloud Computing technology and Science (Cloud Com'2012), Taipei, Taiwan, December 3-6, 2012.
- [N12h] K. Bessai, S. Youcef, C. Godart, S. Nurcan. **Business Process Compositions: Preserving k-soundness property**. The 2012 IEEE Asia-Pacific Services Computing Conference (APSCC'2012), Guilin, China, December 6-8, 2012



2011

- [N11a] I. Rychkova, S. Nurcan. **Towards Adaptability and Control for Knowledge-Intensive Business Processes: Declarative Configurable Process Specifications**. Proceedings of the 44th Annual Hawaii International Conference on System Sciences, Kauai, Hawaii, USA, 4-7 January 2011.
- [N11b] S. Nurcan, R. Schmidt, P. Soffer, R. Ukor (Guest editors). Special Issue on "Drivers of Business Process Development: Business, IT, Compliance" in the International Journal of Information System Modeling and Design (IJISMD), Special Issue of the 10th Workshop of Business Process Modeling, Development and Support (BPMDS'09), 2011, Vol. 2, Issue 2, 2011.
- [N11c] (11 fois) G. Bruno, F. Dengler, B. Jennings, R. Khalaf, S. Nurcan, M. Prilla, M. Sarini, R. Schmidt, R. Silva. **Key challenges for enabling Agile BPM with Social Software**. Journal of Software Maintenance and Evolution: Research and Practice, incorporating Software Process: Improvement and Practice, Special Issue on BPM'09 selected workshop papers, Volume 23, Issue 4, pp. 297-326, June 2011.
- [N11d] I. Rychkova, R. Deneckère, S. Nurcan. **Modeling the role variability in the MAP process model**. Fifth International Conference on Research Challenges in Information Science (RCIS'11), Le Gosier, Guadeloupe, 19-21 May 2011.

- [N11e] T. Halpin, S. Nurcan, J. Krogstie, P. Soffer, E. Proper, R. Schmidt, I. Bider (Editors). ***Enterprise, Business-Process and Information Systems Modeling.*** LNBIP 81 Springer. 12th International Conference BPMDS and 15th International Conference EMMSAD at CAiSE 2011, London, UK, June 20-21, 2011.
- [N11f] S. Nurcan (Editor). ***CAiSE'2011 Forum CEUR proceedings.*** Vol. 734. 23d International Conference on Advanced Information Systems Engineering. London, UK, June 20-24, 2011.
- [N11g] S. Nurcan, R. Schmidt. ***Introduction to the Third International Workshop Service-oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE'11).*** Proceedings of EDOC 2011 IEEE Workshops and Short papers.
- [N11h] S. Nurcan, R. Schmidt. ***Introduction to the Fourth International Workshop on Business Process Management and Social Software (BPMS2'11).*** Proceedings of the BPM 2011 Workshops, LNBIP. Springer-Verlag.



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- **[N10a] (8 fois)** C. Rolland, S. Nurcan. ***Business Process Lines to deal with the Variability.*** Proc. of the 43d Annual Hawaii Int. Conference on System Sciences, Kauai, Hawaii, USA, 5-8 January 2010.
- [N10b] S. Nurcan, R. Schmidt. ***Service-oriented Enterprise Architecture for Enterprise Engineering: Introduction.*** Proceedings of EDOC 2009 IEEE Workshops and Short papers.
- [N10c] S. Nurcan, R. Schmidt. ***Introduction to the Second International Workshop on Business Process Management and Social Software (BPMS2'09).*** Proceedings of the BPM 2009 Workshops, pp. 197-199, LNBIP 43. Springer-Verlag.
- [N10d] R. Schmidt, S. Nurcan. ***Augmenting BPM with Social Software.*** Proceedings of the BPM 2009 Workshops, pp. 201-206, LNBIP 43, Springer-Verlag.
- [N10e] I. Gmati, I. Rychkova, S. Nurcan. ***On the Way from Research Innovations to Practical Utility in Enterprise Architecture: The Build-Up Process.*** International Journal of Information System Modeling and Design (IJISMD). Volume 1, Issue 3, 2010. p. 20-44.
- [N10f] I. Gmati, I. Rychkova, J. Barrios, S. Nurcan. ***Return on Experience of the Implementation of a Business-IT alignment Approach: Theory and Practice.*** 5th Workshop on BUSiness/IT Alignment and Interoperability (BUSITAL'2010) associé à CAiSE'2010, Hammamet, Tunisia, 7 June 2010.
- **[N10g] (13.22)** S. Erol, M. Granitzer, S. Happ, S. Jantunen, B. Jennings, A. Koschmider, S. Nurcan, D. Rossi, R. Schmidt, P. Johannesson. ***Combining BPM and Social Software : Contradiction or Chance ?*** Special issue of the Software Process: Improvement and Practice Journal on "BPM 2008 selected workshop papers", Vol. 22, Issue 6-7, pp. 449-476, Oct-Nov 2010.
- [N10h] I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, R. Ukor (Editors). ***Enterprise, Business-Process and Information Systems Modeling.*** LNBIP 50 Springer. 11th International Workshop BPMDS and 15th International Conference EMMSAD at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010.
- [N10i] S. Nurcan, K. Benali, H. Pingaud (Editeurs invités). 1er Numéro Spécial sur ***Ingénierie d'Entreprise et de Systèmes d'Information (IESI)*** de la revue Ingénierie de Systèmes d'Information (***ISI***), Hermes Lavoisier, Vol. 15, N° 4, 2010.
- [N10j] K. Bessai, S. Nurcan. ***Composition de Workflow-nets : condition de préservation de la k-soundness.*** Atelier IESI, Ingénierie d'Entreprise et de Systèmes d'Information (en association avec INFORSID'2010), 25 Mai 2010, Toulouse, France.
- [N10k] S. Nurcan, C. Salinesi, C. Souveyet, J. Ralyté (Eds.) ***Intentional Perspectives on Information Systems Engineering.*** Festschrift book in honour of Prof. C. Rolland, Springer.
- [N10l] I. Rychkova, S. Nurcan. ***The Old Therapy for the New Problem: Declarative Configurable Process Specifications for the Adaptive Case Management Support.*** 3d International Workshop on BPM and Social Software (BPMS2'2010). Proceedings of the BPM 2010 Workshops. Hoboken, New Jersey, USA, 13 September 2010.
- [N10m] I. Gmati, M. Missikoff, S. Nurcan. ***A Systematic Method for the Intentional Modeling and Verification of Business Applications.*** 7th Conference of the Italian Chapter of AIS (itAIS'2010), Information Technology and Innovation Trends in Organizations, Naples, Italy, 8-9 October 2010.

- [N10n] S. Nurcan, R. Schmidt. ***Introduction to the Second International Workshop Service-oriented Enterprise Architecture for Enterprise Engineering*** (*SoEA4EE'10*). Proceedings of EDOC 2010 IEEE Workshops and Short papers.
- [N10o] S. Nurcan, R. Schmidt. ***Introduction to the Second International Workshop on Business Process Management and Social Software*** (*BPMS2'10*). Proceedings of the BPM 2010 Workshops, pp. 355-358, LNBIP 66. Springer-Verlag.
- [N10p] S. Nurcan, K. Benali, H. Pingaud (Editeurs invités). 2ème Numéro Spécial **IESI, Modélisation d'entreprise et interopérabilité**, de la revue Ingénierie de Systèmes d'Information (**ISI**), Hermes Lavoisier, Vol. 15, N° 5, 2010



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- [N09a] S. Nurcan, R. Schmidt. ***Introduction to the First International Workshop on Business Process Management and Social Software*** (*BPMS2'08*). Proceedings of the BPM 2008 Workshops, LNBIP 17, pp. 623-624, 2009. Springer-Verlag.
- [N09b] (12.23) R. Schmidt, S. Nurcan. ***BPM and Social Software***. Proceedings of the BPM 2008 Workshops, LNBIP 17, pp. 625-634, 2009. Springer-Verlag.
- [N09c] O. Saidani, S. Nurcan. ***Context-Awareness for adequate business process modelling***. Third International Conference on Research Challenges in Information Science (RCIS'09), Fes, Maroc, 22-24 April 2009.
- [N09d] K. Bessai, S. Nurcan. ***An actor-driven approach for business processes - How to take into account the environment of work?*** The 10th Workshop on Business Process Modelling, Development, and Support (BPMDS'09), (in association with the CAiSE'09 Conference), LNBIP 29 (Springer), June 8-9, 2009, Amsterdam, The Netherlands.
- [N09e] T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, R. Ukor (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. LNBIP 29 Springer. 10th International Workshop BPMDS and 14th International Conference EMMSAD at CAiSE 2009, Amsterdam, The Netherlands, June 8-9, 2009.
- [N09f] S. Najar, O. Saidani, M. Kissch-Pinheiro, C. Souveyet, S. Nurcan. ***Semantic representation of context models : a framework for analyzing and understanding***. Workshop on Context, Information and Ontologies (CIAO2009) in conjunction with the 6th European Semantic Web Conference (ESWC2009), June 1st, 2009, Heraklion, Greece.
- [N09g] B. Claudepierre, S. Nurcan. ***ITGIM: An intention-driven approach for analyzing the IT Governance requirements***. The 3d International Workshop on Requirements, Intentions and Goals in Conceptual Modeling (RIGiM 2009), in conjunction with the 28th International Conference on Conceptual Modeling (ER 2009), 9-12 November 2009, Gramado, Brazil.
- [N09h] B. Claudepierre, S. Nurcan. ***Constats et fondements pour des méthodes d'ingénierie de systèmes d'information dirigées par les exigences de gouvernance***. Numéro Spécial RCIS'08 de la Revue Ingénierie des Systèmes d'Information. 14(4), Hermès, 2009.
- [N09i] I. Bider, S. Nurcan, R. Schmidt, P. Soffer (Guest Editors). Special Issue on **Adequate Design of Business Processes and Support Systems: Reusability, Best Practices, Theory, ... - Are they the right answers?** in the International Journal of Business Process Integration and Management (IJBPIM), Vol. 4, Issue 2, 2009. Special Issue of the 8th Workshop of Business Process Modeling, Development and Support (BPMDS'07).



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- [N08a] S. Nurcan, R. Schmidt, P. Soffer, E. Hunt, X. Franch, R. Coletta (BPMDS'08 Volume Editors). ***Proceedings of the 9th Workshop on Business Process Modeling, Development and Support*** (BPMDS'08) held in conjunction with the CAiSE'08 Conference. Montpellier, France, June 16-17, 2008. CEUR Workshop Proceedings. ISSN 1613-0073.
- [N08b] S. Ebersold, A. Front, P. Lopistéguy, S. Nurcan, X. Franch, E. Hunt, R. Coletta (MoDISE-EUS'08 Volume Editors). ***Proceedings of the Workshop on Model Driven Information***

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- [N08c] (3.41) S. Nurcan. **A survey on the flexibility requirements related to business processes and modeling artifacts.** Proceedings of the 41st Annual Hawaii International Conference on System Sciences, Big Island, Hawaii, USA, 7-10 January 2008.
- [N08d] O. Saidani, S. Nurcan. **Towards situational Business Process Modeling.** 20th International Conference on Advanced Information Systems Engineering (CAISE'08 Forum), June 16-20, 2008, Montpellier, France.
- [N08e] S. Nurcan, B. Claudepierre, I. Gmati. **Conceptual Dependencies between two connected IT domains: Business/IS alignment and IT governance.** Second Int. Conference on Research Challenges in Information Science (RCIS'08), Marrakech, Maroc, 3-6 June 2008.
- [N08f] (14.22) K. Bessai, B. Claudepierre, O. Saidani, S. Nurcan. **Context-aware Business Process Evaluation and Redesign.** The 9th Workshop on Business Process Modelling, Development, and Support (BPMDS'08, (in association with the CAISE'08 Conference), CEUR (pub), June 16-17, 2008, Montpellier, France.
- [N08g] O. Saidani, S. Nurcan. **Meta-model Tailoring for Situation-aware Business Process Modelling.** Workshop on Model Driven Information Systems Engineering : Enterprise, User and System Models MoDISE-EUS'08 (in association with the CAISE'08 Conference), CEUR (pub), June 16-17, 2008, Montpellier, France.
- [N08h] K. Bessai, S. Nurcan. **Guider le choix d'un formalisme de modélisation de processus: Démarche multicritère basée sur les patrons.** 26 ème congrès INFORSID, 27-30 Mai 2008, Fontainebleau, France.
- [N08i] O. Saidani, S. Nurcan. **Meta-model Tailoring for Situation-aware Business Process Modelling.** Atelier IESI, Ingénierie d'Entreprise et de Systèmes d'Information (en association avec INFORSID'08), 27 Mai 2008, Montpellier, France.



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- [N07a] (15.22) F. Daoudi, S. Nurcan. **A benchmarking framework for methods to design flexible business processes.** Special issue of the Software Process: Improvement and Practice Journal on "Business Process Management, Development and Support", 12:1, 2007.
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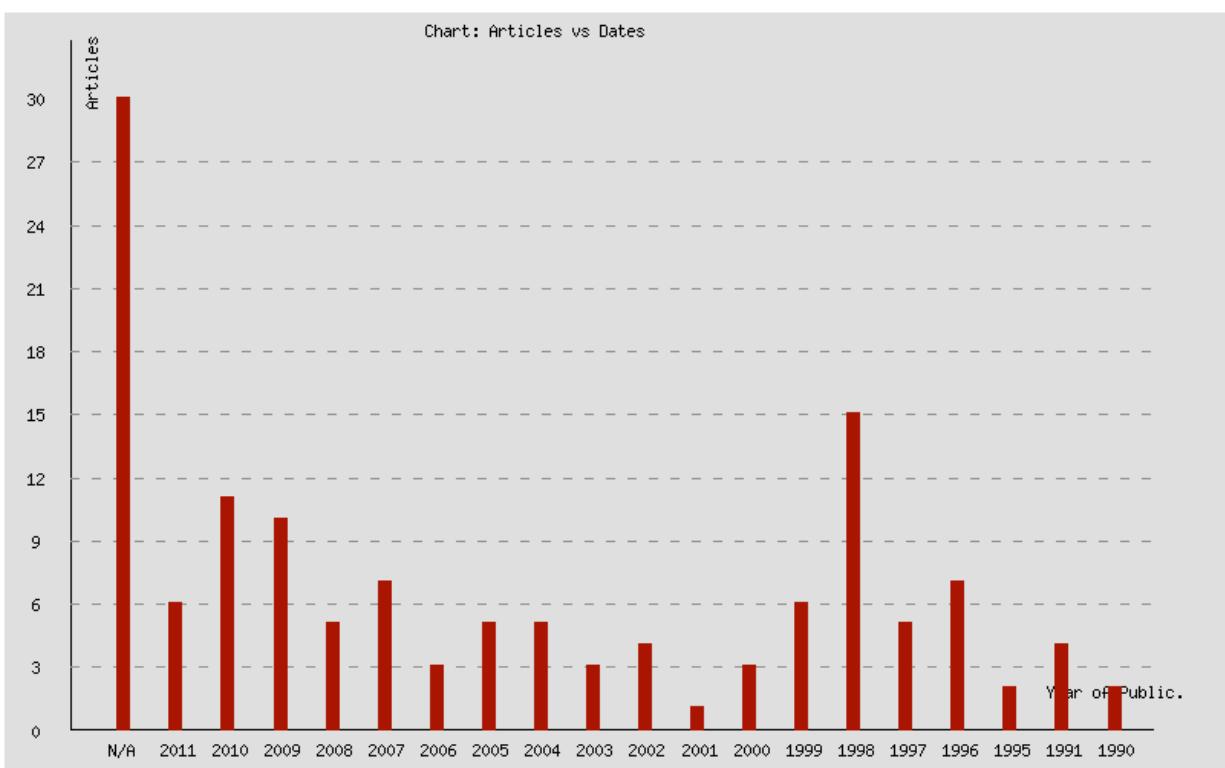
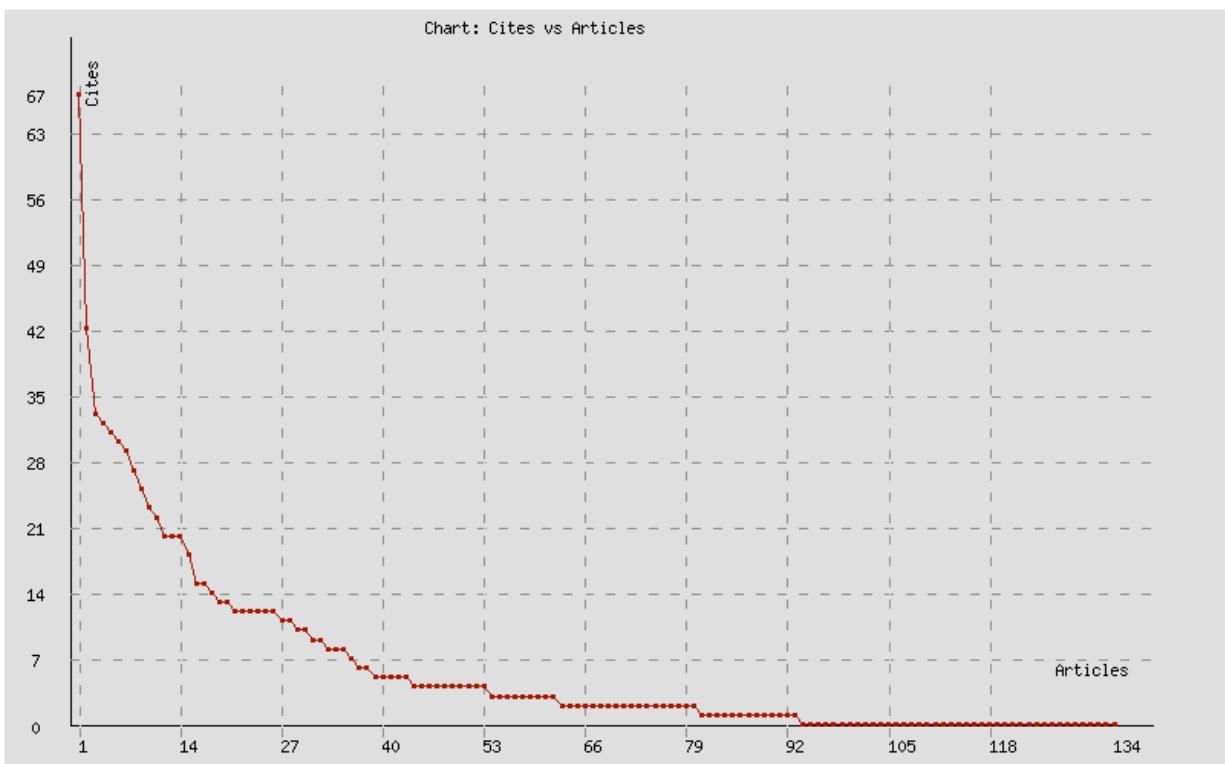
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19	[N96a]	Analyse et conception de systèmes d'information coopératifs.	19	1996	S. Nurcan	Numéro thématique "Multimédia et collectifel de ISI (Techniques et Science informatiques), Vol. 15, n° 9, 1996, p. 1287-1315.
	[N98f]	A framework for generic patterns dedicated to the management of change in the electricity supply industry.	16	1998	C. Rolland, P. Loucopoulos, G. Grosz, S. Nurcan.	Proceedings of the 9th International Workshop on Database and Expert Systems Applications (DEXA'98), August 26-28, 1998, Vienna, Austria, p. 907-912.
N97c		A way of working for change processes	15	1997	C. Rolland, S. Nurcan, G. Grosz.	International Research Symposium 97 - Effective Organisations, September 4-5, 1997, Dorset, UK, p. 201-204.
N97b		Meta-modelling for cooperative processes	15	1997	S. Nurcan, C. Rolland.	The 7th European-Japanese Conference on Information Modelling and Knowledge Bases, May 27-30, 1997, Toulouse, p. 361-377.
[N04b]		Model Driven Architectures for Enterprise Information Systems.	14	2004	J. Barrios, S. Nurcan.	the 16th Conference on Advanced Information Systems Engineering, (CAiSE'04), Springer Verlag (pub.), June 7-9, 2004, Riga, Lettonie.
N99c		Intention based modeling of organisational change : an experience report	13	1999	C. Rolland, P. Loucopoulos, V. Kavalki, S. Nurcan.	Proceedings of the Fourth CAiSE/IFIP 8.1 International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (EMMSAD'99), Heidelberg, Germany, June 14-15, 1999.
[N02b]		Une méthode pour la définition d'un impact organisationnel du changement	13	2002	S. Nurcan, J. Barrios, C. Rolland.	Numéro Spécial de la Revue ISI "Connaissances Majeur dans l'Ingénierie des SI (article étendu à partir d'une communication sélectionnée de INFOISID 2002)", Volume 7, N° 4, Hermès, 2002.
[N98h]		The ELEKTRA project: enterprise knowledge modeling for change in distribution	13	1998	with Dimitri Beis	2nd IMACS International Conference on Circuits, Systems and Computers (IMACS-CS'C98), 26-29 October 1998, Piraeus, Greece.
N98g		A framework for encapsulating best business practices for electricity supply industry into generic patterns.	12	1998	C. Rolland, G. Grosz, P. Loucopoulos, S. Nurcan.	2nd IMACS International Conference on Circuits, Systems and Computers (IMACS-CS'C98), 26-29 October 1998, Piraeus, Greece.
[N99d]		Change process modeling using EKD-Change Management Method	12	1999	S. Nurcan	Proc. of the 7th European Conference on Information Systems, EDI99, Copenhagen, Denmark, June 23-25, 1999, p.513-529.
[N98c]		An electronic handbook for accessing domain specific generic patterns	11	1998	C. Rolland, G. Grosz, S. Nurcan, W. Yu, C. Ghahro	IFIP WG 8.3 Working Conference : Information Systems in the WWW environment, 15-17 July 1998, Beijing, China
[N04a]		Business Process Modeling for developing Process Oriented IT Systems	11	2004	S. Nurcan	Business Process Management Tools and Technologies" track of the 2004 Information Resources Management Association Int. Conference- May 23-26, 2004, New Orleans, USA.
[N03b]		Enterprise knowledge and IS modeling in evolving environment	11	2003	J. Barrios, S. Nurcan	First International Workshop on Engineering Methods to Support Information Systems Evolution in conjunction with OIS93 - September 5, 2003, Geneva, Switzerland.
[N11c]		Key challenges for enabling agile BPM with social software	11	2011	G. Bruno, F. Dengler, B. Jennings, R. Khalaf, S. Nurcan, M. Prilla, M. Sarita, R. Schmidt, R. Silva	Journal of Software Maintenance and Evolution: Research and Practice, incorporating SPiB, Special Issue on BPM'09 selected workshop papers, Volume 23, Issue 4, pp. 297-326, June 2011.
N96d		A method for cooperative information systems analysis and design: CISAD	9	1996	S. Nurcan	Second International Conference on the Design of Cooperative Systems (COOP'96), Juan-les-Pins, 12-14 juin 1996, p.681-700.
[N10a]		Business Process Lines to deal with the Variability	8	2010	C. Rolland, S. Nurcan	Proc. of the 43rd Annual Hawaii Int. Conference on System Sciences, Kauai, Hawaii, USA, 5-8 January 2010.

index=19  
gindex=26

**Table 2 : Nombre de citations (source PoP, Google Scholar, octobre 2012)**

## 2. Encadrements de recherche

J'ai dirigé de 24 mémoires de Master Recherche / DEA en Informatique depuis 1993. Sept parmi ces étudiants ont ensuite entamé une thèse au CRI, dont quatre sous ma supervision.

### 2.1. Mémoires de Master Recherche

1. Samir Alili (en cours): Des "groupware" aux "social software": quelle valeur ajoutée au service des processus d'entreprise ? Master Recherche SID Système d'Information et de Décision, Université Paris 1 Panthéon Sorbonne.
2. Lamia Jrad (2012): Modélisation des processus basée sur les risques et les obstacles. Master Recherche SID Système d'Information et de Décision, Université Paris 1 Panthéon Sorbonne.
3. Sonia Mhenni (2012): Multiplicité des perspectives pour l'ingénierie et l'architecture d'entreprise pour la gouvernance des systèmes d'entreprise. Master Recherche SID Système d'Information et de Décision, Université Paris 1 Panthéon Sorbonne.
4. Imène Bouachba (**2011**): La Détermination des risques potentiels d'échec d'un processus métier, l'identification des capteurs utiles en vue de créer des indicateurs de contrôles appropriés et l'envisagement des actions de pilotage/gouvernance du processus. *Master Recherche SID Système d'Information et de Décision*, Université Paris 1 Panthéon Sorbonne.
5. Yaneth Nubia Mesa (**2010**): Transformation de modèles et vérification de la cohérence inter modèles et multi perspectives - approche MDE. *Master Recherche SID Système d'Information et de Décision*, Université Paris 1 Panthéon Sorbonne.
6. **Kahina Bessai (2007)**: Etat de l'art et benchmarking des patterns de workflows, *Master Recherche SID Système d'Information et de Décision*, Université Paris 1 Panthéon Sorbonne. **Poursuite en thèse**.
7. Hind Tate (**2007**): Etat de l'art et benchmarking des langages de modélisation des processus d'entreprise, *Master Recherche SID Système d'Information et de Décision*, Université Paris 1 Panthéon Sorbonne.
8. **Bruno Claudepierre (2006)**: Comment étendre les démarches d'ingénierie de systèmes pour anticiper les exigences de " IT gouvernance"? , *Master Recherche SID Système d'Information et de Décision*, Université Paris 1 Panthéon Sorbonne. **Poursuite en thèse**.
9. **Islem Gmati (2006)**: Etat de l'art des frameworks conceptuels pour l'alignement stratégique " Business/SI ", *Master Recherche SID Système d'Information et de Décision*, Université Paris 1 Panthéon Sorbonne. **Poursuite en thèse**.
10. M.Ramzi Bouzid (**2005**): Transformation de la définition intentionnelle du métier d'une entreprise en une spécification organisationnelle -et opérationnelle- de ses processus. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne. **Poursuite en thèse**.
11. Ménel Lassoued (**2005**): Modélisation intentionnelle versus modélisation opérationnelle : comparaison et différenciation. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne. **Poursuite en thèse**.
12. Yiting Mao (**2005**): Modélisation organisationnel et opérationnel des processus d'entreprise: une étude comparative et argumentée. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne.
13. Amel Krid (**2005**): Modélisation organisationnel et opérationnel des processus d'entreprise: une étude comparative et argumentée. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne.
14. Awatef Hicheur (**2003**): Les Workflows Adaptatifs. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne. **Poursuite en thèse**.
15. Rivka Halioua (**2003**): Conception et Réalisation d'un portail intranet. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne.

16. M.H. Ghodbane (**2002**): Application d'une démarche par objectifs à la modélisation d'entreprise et à la réorganisation des processus de travail. *DEA Intelligence Information Interaction*, Université Paris 1 Panthéon Sorbonne.
17. **Oumaima Saidani (2001)**: Contrôle d'accès basé sur la notion de rôle pour les SI Web, *DEA d'Informatique*, Université Paris 9. *Poursuite en thèse*.
18. Gabriel Iribarren (**2000**): Integration des Outils Coopératifs. *DEA Théorie et Ingénierie des bases de données*, Université Paris 1 Panthéon Sorbonne.
19. Mohamed Dorbane (**2000**): Workflows dynamiques et adaptatifs orientés agents. *DEA Théorie et Ingénierie des bases de données*, Université Paris 1 Panthéon Sorbonne.
20. Mustapha Tawbi (**1997**): Modélisation des processus coopératifs par le concept d'agent. *DEA Théorie et Ingénierie des bases de données*, Université Paris 1 Panthéon Sorbonne. *Poursuite en thèse*.
21. Olivier Riols (**1996**): Extension de la méthode O\* avec le concept d'agent. *DEA Théorie et Ingénierie des bases de données*, Université Paris 1 Panthéon Sorbonne.
22. Mohamed Haj-Chehade (**1993**): Travail de groupe et Télé-tutorat. *DEA Ingénierie Informatique*, INSA de Lyon, 27 juillet 1993 (co-encadrement).
23. Pascal Francfort (**1993**): Travail Coopératif, Télé-tutorat. *DEA Ingénierie Informatique*, INSA de Lyon, 24 juin 1993 (co-encadrement).
24. Hélène Crépet-Chanvillard (**1991**): Dynamique des objets dans un système de gestion de bases de données. *DEA Informatique Fondamentale*, ENS Lyon, 8 juillet 1991 (co-encadrement)

## 2.2. Thèses de Doctorat

### Trois thèses que j'ai co-encadrées ont été soutenues depuis 2001 :

[Barrios, 2001] Barrios, J. Une méthode pour la définition de l'impact organisationnel du changement. Thèse de Doctorat, Université Paris 1. 26 janvier 2001.

[Claudepierre, 2010] Claudepierre, B., Conceptualisation de la Gouvernance des Systèmes d'Information - Structure et Démarche pour la Construction des Systèmes d'Information de Gouvernance. Thèse de doctorat, Université Paris 1 Panthéon Sorbonne. 10 décembre 2010.

[Gmati, 2011] Islem Gmati, Proposition d'une méthode pour l'ingénierie de l'alignement métier/système d'information : Diagnostic, Evolution, Alternatives technologiques et Décision. 13 décembre 2011.

### Quatre thèses sont en cours :

1. Oumaima Saidani (novembre 2005 - ...) : Définition d'une méthode pour l'ingénierie de processus dirigée par les rôles et les règles contextuelles (*en phase finale de rédaction*)
2. Kahina Bessai (septembre 2007 - ...) : Gestion de la dynamicité de l'allocation des ressources dans la modélisation et l'exécution des processus (*en cours de rédaction*)
3. Mijalce Santa (septembre 2008 - ...) : Framework for multivariate continuous transformation towards knowledge organisation
4. Laure Jeannerot (décembre 2011- ...) : La stratégie d'entreprise portée par l'usage des systèmes d'information comme levier de transformation et de création de valeur tangible
5. Patricia Pétine (décembre 2011- ...) : L'apport des techniques de Lean Management à la Gouvernance des systèmes d'information

### **3. Exploration de sujets émergents à travers l'organisation et animation d'ateliers et de groupements de recherche**

#### **3.1. GT ModESI et Atelier IESI**

**Co-animateur du GT "Modélisation et interopérabilité des entreprises et des systèmes d'information"** au sein du thème "Ingénierie par et pour les modèles dans les systèmes d'information" du GDR I3 et co-animateur du GT "Entreprise Communicante et Interopérabilité" ECI des Groupements de Recherche GDR I3 et MACS du CNRS.

- **Co-animateur du Groupe de Travail "[Entreprise Communicante et Interopérabilité](#)"** ECI des Groupements de Recherche **GDR I3 et MACS du CNRS** entre 2004 et 2007.
- **Co-fondateur et co-animateur du Groupe de Travail "[Modélisation et interopérabilité des entreprises et des systèmes d'information](#)"** ModESI au sein du thème "Ingénierie par et pour les modèles dans les systèmes d'information" du **GDR I3 du CNRS** depuis 2007.
- **Porteur principal** de la session thématique **Ingénierie d'entreprise et des systèmes d'information (IESI)** associée à [INFORSID 2011](#), Lille, 24-27 mai 2011.
- **Co-chair de l'atelier Ingénierie d'entreprise et des systèmes d'information ([IESI'2010](#))** associé à [INFORSID 2010](#), Marseille, 25 mai 2010.
- **Co-chair de l'atelier Ingénierie d'entreprise et des systèmes d'information ([IESI'09](#))** associé à [INFORSID 2009](#), Toulouse, 26 mai 2009.
- **Co-chair de l'atelier Ingénierie d'entreprise et des systèmes d'information ([IESI'08](#))** associé à [INFORSID 2008](#), Fontainebleau, 27 mai 2008.
- **Co-chair du Workshop Model Driven IS Engineering: Enterprise, User and System Models (MoDISE-EUS'08)** associé à [CAISE'08](#), Montpellier, France, 16-17 June 2008. [Consultez](#) les papiers.
- **Co-animateur et organisateur du 4 ème workshop "[Ingénierie et Gestion des Processus d'Entreprise](#)"** des GDR I3 et MACS du CNRS, le 15 mai 2007 à l'IAE de Paris - 'Université Paris 1 Sorbonne, sur le thème "Dynamique des organisations et création de valeur:Apports des typologies et des cartographies de processus". Cet atelier a réuni 50 personnes.
- **Responsable de l'organisation du 2ème workshop de groupe de travail "Entreprise Communicante et Interopérabilité"** des Groupements de Recherche I3 et MACS du CNRS, sur le thématique "[Ingénierie et Gestion des Processus d'Entreprise](#)", le 8 mars 2005 à l'Université Paris 1 avec la participation de 50 personnes.

#### **Production d'animation et de coordination :**

[N10i] S. Nurcan, K. Benali, H. Pingaud (Editeurs invités). 1er [Numéro Spécial](#) sur **Ingénierie d'Entreprise et de Systèmes d'Information (IESI)** de la revue Ingénierie de Systèmes d'Information (ISI), Hermès Lavoisier, Vol. 15, N° 4, 2010. *Six articles*.

[N10p] S. Nurcan, K. Benali, H. Pingaud (Editeurs invités). [2ème Numéro](#) Spécial IESI, **Modélisation d'entreprise et interopérabilité**, de la revue Ingénierie de Systèmes d'Information (ISI), Hermès Lavoisier, Vol. 15, N° 5, 2010. *Cinq articles*.

### **3.2. BPMDS Working Conference**

Cet atelier dédié à la Modélisation, au Développement et au Support des Processus d'entreprise est à sa 14<sup>ème</sup> édition.

Depuis 2011, il est devenu un Working Conference associée à CAISE. Je suis co-chair de cette manifestation depuis 2007.

Depuis, 2009 BPMDS publie des actes Springer (commun avec EMMSAD) dans la série LNBIP ***Enterprise, Business-Process and Information Systems Modeling***.

- **Co-chair de la 14ème Conférence Business Process Modeling, Development, and Support ([BPMDS'2013](#))** événement joint à CAISE'2013, Valencia, Spain, 17-18 June 2013.
- **Co-chair de la 13ème Conférence Business Process Modeling, Development, and Support ([BPMDS'2012](#))** événement joint à CAISE'2012, Gdansk, Pologne, 25-26 June 2012.
- **Co-chair de la Conférence Business Process Modeling, Development, and Support ([BPMDS'2011](#))** événement joint à CAISE'2011 (12<sup>ème</sup> édition, devenue conférence en 2011), London, UK, 20-21 June 2011.
- **Co-chair du 11th Workshop on Business Process Modeling, Development, and Support ([BPMDS'2010](#))** *Multidimensional Perspectives on Business Processes* associé à [CAISE'2010](#), Hammamet, Tunisia, 7-8 June 2010.
- **Co-chair du 10th Workshop on Business Process Modeling, Development, and Support ([BPMDS'09](#))** *Drivers of Business Processes: Business, IT, Compliance* associé à [CAISE'09](#), Amsterdam, The Netherlands, 8-9 June 2009.
- **Co-chair du Ninth Workshop on Business Process Modeling, Development, and Support ([BPMDS'08](#))** *Business Process Life-Cycle: Design, Deployment, Operation & Evaluation* associé à [CAISE'08](#), Montpellier, France, 16-17 June 2008. Consultez les papiers sur le site de [BPMDS'08](#).
- **Co-chair du Eighth Workshop on Business Process Modeling, Development, and Support ([BPMDS'07](#))** *Adequate design of business processes and support systems: Reuse, "Best practices", Theoretical approaches ... - are they the right answers?* dans [CAISE'07](#), Trondheim, Norway, 11-12 June 2007.

#### **Production d'animation et de coordination :**

[N12a] S. Nurcan, R. Schmidt, I. Bider, G. Regev (Guest Editors). Special Issue on ***Business Processes Life Cycle: design, deployment, operation and evaluation*** in the International Journal of Software Maintenance and Evolution (JSME), Vol. 24, Issue 3, 2012. Special Issue of the 9th Workshop of Business Process Modeling, Development and Support (BPMDS'08).

[N12e] I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, S. Wrycza (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. LNBIP 113 Springer. 13th International Conference BPMDS and 16th International Conference EMMSAD at CAiSE 2012, Gdansk, Poland, June 25-26, 2012.

[N11b] S. Nurcan, R. Schmidt, P. Soffer, R. Ukor (Guest editors). Special Issue on "***Drivers of Business Process Development: Business, IT, Compliance***" in the International Journal of Information System Modeling and Design (IJISMD), Special Issue of the 10th Workshop of Business Process Modeling, Development and Support (BPMDS'09), 2011, [Vol. 2, Issue 2](#), 2011.

[N11e] T. Halpin, S. Nurcan, J. Krogstie, P. Soffer, E. Proper, R. Schmidt, I. Bider (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. [LNBIP 81 Springer](#). 12th International Conference BPMDS and 15th International Conference EMMSAD at CAiSE 2011, London, UK, June 20-21, 2011.

[N10h] I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, R. Ukor (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. [LNBIP 50 Springer](#). 11th International Workshop BPMDS and 15th International Conference EMMSAD at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010.

[N09e] T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, R. Ukor (Editors). ***Enterprise, Business-Process and Information Systems Modeling***. [LNBIP 29 Springer](#). 10th International Workshop BPMDS and 14th International Conference EMMSAD at CAiSE 2009, Amsterdam, The Netherlands, June 8-9, 2009.

[N09i] I. Bider, S. Nurcan, R. Schmidt, P. Soffer (Guest Editors). Special Issue on ***Adequate Design of Business Processes and Support Systems: Reusability, Best Practices, Theory, ... - Are they the right answers?*** in the International Journal of Business Process Integration and Management (IJBPIM), [Vol. 4, Issue 2](#), 2009. Special Issue of the 8th Workshop of Business Process Modeling, Development and Support (BPMDS'07).

[N08a] S. Nurcan, R. Schmidt, P. Soffer, E. Hunt, X. Franch, R. Coletta (BPMDS'08 Volume Editors). ***Proceedings of the 9th Workshop on Business Process Modeling, Development and Support (BPMDS'08) (Business Process Life-Cycle: Design, Deployment, Operation & Evaluation)*** held in conjunction with the CAiSE'08 Conference. Montpellier, France, June 16-17, 2008. CEUR Workshop Proceedings. ISSN 1613-0073.

### 3.3. BPMS2 Workshop

Depuis 2008, co-organise la série de Workshops on Business Process Management and Social Software (BPMS2) associée à la conférence internationale BPM.

Il s'agit du premier atelier que j'ai créé dans un contexte international en collaboration avec Rainer Schmidt de l'Université d'Aalen. Ce travail prend ses racines dans une volonté de fertilisation entre les problématiques sous-jacentes au thème 2 et au thème 1.

- **Co-chair du 5th Workshop on Business Process Management and Social Software (BPMDS'2012)** associé à [BPM'2012](#), Tallinn, Estonia, 3 September 2012.
- **Co-chair du 4th Workshop on Business Process Management and Social Software (BPMS2'2011)** associé à [BPM'2011](#), Clermont-Ferrand, France, 29 August 2011.
- **Co-chair du Third Workshop on Business Process Management and Social Software (BPMS2'2010)** associé à [BPM'2010](#), New York, USA, 13 September 2010.
- **Co-chair du Second Workshop on Business Process Management and Social Software (BPMS2'09)** associé à [BPM'09](#), Ulm, Germany, 7 September 2009.
- **Co-chair du First Workshop on Business Process Management and Social Software (BPMS2'08)** associé à [BPM'08](#), Milan, Italy, 4 September 2008.

Deux articles ont été co-produits avec les auteurs des deux premières éditions de cet atelier et ont été publiés dans deux numéros spéciaux respectifs du *Software Process: Improvement and Practice Journal* [N10g] (cité 22 fois), et *Journal of Software Maintenance and Evolution: Research and Practice* [N11c] dédiés aux meilleurs papiers des workshops BPM 2008 et 2009. Le papier introductif de l'atelier BPMS2'08 [N09b] a été cité 23 fois.

#### Production de recherche :

**[N11c] (11 fois)** G. Bruno, F. Dengler, B. Jennings, R. Khalaf, S. Nurcan, M. Prilla, M. Sarini, R. Schmidt, R. Silva. ***Key challenges for enabling Agile BPM with Social Software***. Journal of Software Maintenance and Evolution: Research and Practice, incorporating Software Process: Improvement and Practice, Special Issue on BPM'09 selected workshop papers, Volume 23, Issue 4, pp. 297-326, June 2011.

*Cet article a été rédigé par tous les auteurs principaux des articles présentés à BPMS2'2009.*

**[N10g] (13.22)** S. Erol, M. Granitzer, S. Happ, S. Jantunen, B. Jennings, A. Koschmider, S. Nurcan, D. Rossi, R. Schmidt, P. Johannesson. ***Combining BPM and Social Software : Contradiction or Chance ?*** Special issue of the Software Process: Improvement and Practice Journal on "BPM 2008 selected workshop papers", Volume 22, Issue 6-7, pp. 449-476, October-November 2010.

*Cet article a été rédigé par tous les auteurs principaux des articles présentés à BPMS2'2008.*

**[N09b] (12.23)** R. Schmidt, S. Nurcan. ***BPM and Social Software***. Proceedings of the BPM 2008 Workshops, LNBP 17, pp. 625-634, 2009. Springer-Verlag.

*Les productions scientifiques de type éditorial liées à cette activité d'animation sont listées dans la section 1.1.6 du second document, sous l'intitulé 'ouverture thème 2'.*

### **3.4. SOEA4EE Workshop**

Depuis 2009, je co-organise de la série de Workshops on Service oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE) associée à la conférence internationale EDOC. Il s'agit du deuxième atelier que j'ai créé dans un contexte international en collaboration avec Rainer Schmidt de l'Université d'Aalen. Ce travail prend ses racines dans une volonté de fertilisation entre les problématiques sous-jacentes au thème 2 et au thème 3. Il a aussi pour ambition d'internationaliser les travaux autour de la thématique d'ingénierie d'entreprise et des systèmes d'information initiés dans les GT ECI et ensuite du groupe de travail MIESI.

Les productions scientifiques de type éditorial liées à cette activité animation sont listées dans la section 1.1.6 du second document, sous l'intitulé '*ouverture thème 3*'.

- **Co-chair du 4th Workshop on Service-oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE'2012)** associé à [EDOC'2012](#) (16th IEEE International Conference Enterprise Computing Conference 2012), Beijing, China, September 11, 2012.
- **Co-chair du Third Workshop on Service-oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE'2011)** associé à [EDOC'2011](#) (15th IEEE International Conference Enterprise Computing Conference 2011), Helsinki, Finland, August 30, 2011.
- **Co-chair du Second Workshop on Service-oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE'2010)** associé à [EDOC'2010](#) (14th IEEE International Conference Enterprise Computing Conference 2010), Vitoria, Brazil, October 25-29, 2010.
- **Co-chair du First Workshop on Service-oriented Enterprise Architecture for Enterprise Engineering (SoEA@EE'09)** associé à [EDOC'09](#) (13th IEEE International Conference Enterprise Computing Conference 2009), Auckland, New Zealand, August 31 - September 1st 2009.

### **3.5. BPM Track dans la Conférence IRMA**

- **Co-chair du Track "Business Process Management"** de la 18ème Conférence Internationale [IRMA 2007](#), Vancouver, British Columbia, Canada, du 19 au 23 mai 2007, dont le thème est "*Managing Worldwide Operations and Communications with Information Technology*" .
- **Co-chair du Track "Business Process Management"** de la 17ème Conférence Internationale [IRMA 2006](#), Washington, DC, USA, du 21 au 24 mai 2006, dont le thème est "*Emerging Trends and Challenges in Information Technology Management*" .
- **Co-chair du Track "Business Process Management Tools and Technologies"** de la 16ème Conférence Internationale IRMA 2005, San Diego, California, USA, du 15 au 18 mai 2005, dont le thème était "*Managing Modern Organizations With Information Technology*" .
- **Co-chair du Track "Business Process Management Tools and Technologies"** de la 15ème Conférence Internationale IRMA 2004, Nouvelle Orléans, Louisiana, USA, du 23 au 26 mai 2004, dont le thème était "*Innovations Through Information Technology*" . Ce track s'est vu attribuer le prix de "**Best Track Award**" .

## 4. Evaluation et valorisation de travaux scientifiques

Je suis Program Co-Chair de 7th International Conference on Research Challenges in Information Science (RCIS'2013) qui se déroulera en Sorbonne du 29 au 31 mai 2013.

Je suis porteur du Pôle d'Interaction Thématique "**Adaptation**" du GDR I3, suite à la restructuration de ce dernier autour des enjeux et verrous scientifiques transversaux.

### 4.1. Comités de programme

- **25th International Conference on Advanced Information Systems Engineering (CAISE'2013)**, Valencia, Spain, June 17-21, 2013.
- **21st European Conference on Information Systems (ECIS'2013)**, Associate Editor of the Track on Enterprise Transformation, Utrecht, The Netherlands, June 5-8, 2013.
- **4th International Conference on Exploring Services Science (IESS 1.3)**, Porto, Portugal, 7-8 February 2013.
- **International Conference on Knowledge Management, Information and Knowledge Systems (KMIKS'2013)**, Hammamet, Tunisia, April 18-20, 2013.
- **International Workshop on BPM Services in the Cloud (WBPMCloud'2013)**, in conjunction with the 7th IEEE International Symposium on Service-oriented System Engineering (SOSE'2013), San Francisco Bay, USA, March 25-28, 2013.
- **24th International Conference on Advanced Information Systems Engineering (CAISE'2012)**, Gdansk, Pologne, June 25-29, 2012.
- **CAISE'12 Forum, in 24th International Conference on Advanced Information Systems Engineering (CAISE'2012)**, Gdansk, Pologne, June 25-29, 2012.
- **6th International Conference on Research Challenges in Information Science (RCIS 2012)**, Valencia, Spain, 16-18 May 2012.
- **20th International Conference on Cooperative Information Systems (CoopIS 2012)**, Rome, Italy, 10-14 September 2012.
- **14th IEEE Conference on Commerce and Enterprise Computing (CEC 2012)**, Hangzhou, China, 9-11 September 2012.
- **30ème conférence nationale (INFORSID'2012)**, Montpellier, France, 29-31 Mai 2012.
- **7th International Workshop on Business/IT Alignment and Interoperability (BUSITAL'2012)**, in conjunction with CAISE'2012, Gdansk, Pologne, 25 June 2012.
- **4th PRET (Practice-driven Research on Enterprise Transformation) series (PRET'2012)**, in conjunction with CAISE'2012, Gdansk, Pologne, 25 June 2012.
- **10th International Workshop on System/Software Architectures (IWSSA'2012)**, in conjunction with CAISE'12, Gdansk, Pologne, 25 June 2012.
- **6th IEEE International Workshop on Requirements Engineering for Services (REFS'2012)**, in conjunction with COMPSAC'2012, Izmir, Turkey, July 16-20, 2012.
- **1st International Workshop on Knowledge Intensive Business Processes (KIBP'2012)**, Rome, Italy, 15 June 2012.
- **1ère Conférence Francophone sur les Systèmes Collaboratifs (SysCo'2012)**, Sousse, Tunisia, 28-30 September 2012.
- **2d International Symposium on Business Modeling and Software Design (BMSD'2012)**, Geneva, Switzerland, 4-6 July 2012.

- **23d International Conference on Advanced Information Systems Engineering (CAISE'2011)**, London, UK, June 20-24, 2011.
- **5th International Conference on Research Challenges in Information Science (RCIS 2011)**, Gosier, Guadeloupe, France, 19-21 May 2011.
- **19th International Conference on Cooperative Information Systems (CoopIS'2011)**, Crete, Greece, October 19-21, 2011.
- **22d International Conference on Database and Expert Systems Applications (DEXA'2011)**, Bilbao, Spain, August 30-September 3, 2010.
- **IADIS International Conference Information Systems 2011 (IADIS'2011)**, Avila, Spain, 11-13 March 2011.
- **28ème conférence nationale (INFORSID'2011)**, Lille, France, 24-27 Mai 2011.
- **IEEE Conference on Commerce and Enterprise Computing (CEC 2011)**, Luxembourg, 19-5-7 September 2011.
- **6th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE 2011)**, Beijing, China, 8-11 June 2011.
- **2d International Conference on Exploring Services Science (IESS 1.0)**, Geneva, Switzerland, 16-18 February 2011.
- **6th Trends in Enterprise Architecture Research Workshop (TEAR 2011)**, Helsinki, Finland, 29 August 2011.
- **5th IEEE International Workshop on Requirements Engineering for Services (REFS'2011)**, Munich, Germany July 18-22, 2011.
- **6th International Workshop on Business/IT Alignment and Interoperability (BUSITAL'2011)**, in conjunction with CAISE'11, London, UK, June 20-21, 2011.
- **9th International Workshop on System/Software Architectures (IWSSA'2011)**, in conjunction with CAISE'11, London, UK, June 20-21, 2011.
- **International Workshop on Requirements Analysis (IWRA'2011)**, Leeuwarden, The Netherlands, 4 July 2011.
- **First International Symposium on Business Modeling and Software Design (BMSD'2011)**, Sofia, Bulgaria, 27-28 July 2011.
- **International Workshop on Collaborative Usage and Development of Models and Visualizations**, in conjunction with ECSCW'11, Aarhus, Denmark, September 24-28, 2011.
- **21st International Conference on Database and Expert Systems Applications (DEXA'2010)**, Bilbao, Spain, August 30-September 3, 2010.
- **22nd International Conference on Advanced Information Systems Engineering (CAISE'2010)**, Hammamet, Tunisia, June 7-11, 2010.
- **CAISE 2010 Doctoral Consortium**, Hammamet, Tunisia, June 7-11, 2010.
- **5th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE 2010)**, Athens, Greece, 22-24 July 2010.
- **4th International Conference on Research Challenges in Information Science (RCIS 2010)**, Nice, France, 19-21 May 2010.
- **IADIS International Conference Information Systems 2010 (IADIS'2010)**, Porto, Portugal, 18-20 March 2010.
- **First International Conference on Exploring Services Science (IESS 1.0)**, Geneva, Switzerland, 17-19 February 2010.
- **4th IEEE International Workshop on Requirements Engineering for Services (REFS'2010)**, Seoul, South Korea, July 19-23, 2010.
- **5th Workshop on BUSiness/IT Alignment and Interoperability (BUSITAL'2010)** associé à CAISE'2010, Hammamet, Tunisia, 7 June 2010.

- **International Workshop on Requirements Analysis ([IWRA'2010](#))**, London, Great Britain, 17-18 September 2010.
- **IFIP 8.1 Working Conference on the Practice of Enterprise Modeling: from Business Strategies to Enterprise Architectures ([PoEM 2009](#))**, Stockholm, Sweden, 18-19 November 2009.
- **20th International Conference on Database and Expert Systems Applications ([DEXA'09](#))**, Linz, Austria, August 31-September 4, 2009.
- **3d IEEE International Workshop on Requirements Engineering for Services ([REFS'09](#))**, Seattle, Washington, USA, July 20-24, 2009.
- **4th International Conference on Evaluation of Novel Approaches to Software Engineering ([ENASE 2009](#))**, Milan, Italy, 6-10 May 2009.
- **27ème conférence nationale ([INFORSID'2009](#))**, Toulouse, France, 26-29 Mai 2009.
- **3d International Conference on Research Challenges in Information Science ([RCIS 2009](#))**, Fes, Maroc, 22-24 April 2009.
- **IADIS International Conference Information Systems 2009 ([IADIS 2009](#))**, Barcelona, Spain, 25-27 February 2009.
- **The International Conference on Information, Process, and Knowledge Management ([eKNOW 2009](#))**, under Digital World 2009 Umbrella, Cancun, Mexico, 1-6 February 2009.
- **Ninth International Symposium on Programming and Systems ([ISPS'09](#))**, Track Software Engineering, Database and Information Systems, Algiers, Algeria, 18-20 May, 2009.
- **3d International Workshop on Requirements, Intentions and Goals in Conceptual Modeling ([RIGiM 2009](#))**, in conjunction with the 28th International Conference on Conceptual Modeling (ER 2009), 9-12 November 2009, Gramado, Brazil.
- **1er Atelier Systèmes d'Information des oRganisations Etendues (SIRE'09) associé à [INFORSID 2009](#)**, Toulouse, 26 mai 2009.
- **International Workshop on Requirements Analysis**, London, Great Britain, 6-7 December 2008.
- **IFIP 8.1 Working Conference on the Practice of Enterprise Modeling: from Business Strategies to Enterprise Architectures ([PoEM 2008](#))**, Stockholm, Sweden, 12-13 November 2008.
- **2d International Workshop on Social Information Retrieval in Technology-Enhanced Learning ([SIRTEL 2008](#))** in conjunction with the 3d European on Technology-Enhanced Learning ([EC-TEL'08](#)), Maastricht, The Netherlands, 17-19 September 2008.
- **2d International Conference on Research Challenges in Information Science ([RCIS 2008](#))**, Marrakech, Maroc, 3-6 June 2008.
- **2d IEEE International Workshop on Requirements Engineering for Services ([REFS'08](#))**, Turku, Finland, July 28-August 1, 2008.
- **9th Workshop on Business Process Modeling, Development, and Support ([BPMDS'08](#)) Business Process Life-Cycle: Design, Deployment, Operation & Evaluation dans [CAISE'08](#)**, Montpellier, France, 16-17 June 2008.
- **IADIS International Conference Information Systems 2008 ([IADIS 2008](#))**, Portugal, 9-11 April 2008.
- **2d International Workshop on Requirements, Intentions and Goals in Conceptual Modeling ([RIGiM 2008](#))**, in conjunction with the 27th International Conference on Conceptual Modeling (ER 2008), 20-23 October 2008, Barcelona, Spain.
- **IFIP WG 8.1 Working Conference on Situational Method Engineering: Fundamentals and Experiences ([ME'07](#))**, Geneva, Switzerland, September 26-28 2007.
- **1st International Conference on Research Challenges in Information Science ([RCIS 2007](#))**, Ouarzazate, Maroc, 23-26 Avril 2007.
- **1st International Workshop on Requirements, Intentions and Goals in Conceptual Modeling ([RIGiM 2007](#))**, in conjunction with the 26th International Conference on Conceptual Modeling (ER 2007), 5-7 November 2007, Auckland, New Zealand.

- **Editeur associé du Design Science Track** of the International Conference on Information Systems ([ICIS'2007](#)), 9-12 Décembre 2007, Montréal, Québec, Canada.
- **8th Workshop on Business Process Modeling, Development, and Support (BPMDS'07)** ayant comme thème "*Adequate design of business processes and support systems: Reuse, "Best practices", Theoretical approaches ... - are they the right answers?*", [CAISE'07](#), Trondheim, Norway, 11-12 Juin 2007.
- **5th French affiliated AIM pre-ICIS workshop: A Management Perspective on Web Services** (in [conjunction](#) with ICIS'06), Milwaukee, Wisconsin, USA, 10 Décembre 2006.
- **Ecole de Recherche "Ontologies, a smart way towards interoperability"** organisée à l'initiative du Groupe de Travail "**Entreprise Communicante et Interopérabilité**" ECI des Groupements de Recherche I3 et MACS du CNRS, le 13 avril 2006 à l'IAE de Paris.
- **7th Workshop on Business Process Modeling, Development, and Support (BPMDS'06)**, thème "Requirements for flexibility and the ways to achieve it", associé à [CAISE'06](#), Luxembourg, 5-6 Juin 2006.
- **2d Workshop on Development and Deployment of Product Software (DDoPS'06)** associé à [CAISE'06](#), Luxembourg, 5-6 Juin 2006.
- **Membre du Comité de Programme** des conférences internationales, [ADVIS'2006](#), ADVIS'04, ADVIS'02, ADVIS'2000 (Biennal International Conference on Advances in Information Systems), Izmir, Turquie.
- **6th Workshop on Business Process Modeling, Development, and Support (BPMDS'05)**, thème "Business Processes and Support Systems: Design for Flexibility" dans [CAISE'05](#), Porto, Portugal.
- **16th international Conference on Advanced Information Systems Engineering (CAISE'2004)**, Riga, Lettonie, June 7-11, 2004.
- **Membre des comités de programme des conférences internationales** SoMeT'2006, SoMeT'2005, SoMeT'2004, SoMeT'2003 (International Conference on Software Methodologies, Tools and Techniques), EISIC'2002 (IFIP WG 8.1 Working Conference on Engineering Information Systems in the Internet Context),
- **Membre des comités de programme des conférences nationales** [INFORSID'2006](#), INFORSID'2004, INFORSID'2000, IC'1999, IC'1998.
- **Referee dans les conférences internationales** ECIS'08 (European Conference on Information Systems), MOSIM'08 (Conférence Internationale de Modélisation et de Simulation), CAISE'2005, ICEIS'2005 (International Conference on Enterprise Information Systems), ICSE'2005 (International Conference on Software Engineering), ER'04 (International Conference on Conceptual Modelling), CCCT'05, CCCT'04 (Computing, Communications and Control Technologies), ECIS'03, ICSOC'03 (International Conference on Service Oriented Computing), CTS'03 (the 2003 International Symposium on Collaborative Technologies and Systems), SW-WL'2003 (First International Workshop on Semantic Web for Web-based learning), Conceptual Modeling ER'1999.

## 4.2. Comités éditoriaux

- **Guest Editor on the Special Issue** of the 13th Workshop of Business Process Modeling, Development and Support (BPMDS'12), in the **International Journal of Software and Systems Modeling (SoSyM)**, 2013. Selmin Nurcan, Rainer Schmidt (Guest editors). En préparation.
- **Guest Editor on the Special Issue** on "Making BPM theories work in practice" in the **International Journal of Information System Modeling and Design (IJISMD)**, Special Issue of the 12th Workshop of Business Process Modeling, Development and Support (BPMDS'11), 2013. Selmin Nurcan, Rainer Schmidt, Ilia Bider (Guest editors). Sous presse.
- **Guest Editor on the Special Issue** on "Business Process Life-Cycle: Design, Deployment, Operation & Evaluation" in the **International Journal of Software Maintenance and Evolution: Research and Practice** (Special Issue of the 9th Workshop of Business Process Modeling, Development and Support (BPMDS'08), [Vol. 24, Issue 3](#), 2012, Guest editors: Selmin Nurcan, Rainer Schmidt, Ilia Bider, Gil Regev).
- **Guest Editor on the Special Issue** on "Drivers of Business Process Development: Business, IT, Compliance" in the **International Journal of Information System Modeling and Design (IJISMD)**, Special Issue of the 10th Workshop of Business Process Modeling, Development and Support (BPMDS'09), [Vol. 2, Issue 2](#), 2011. **Guest editors:** Selmin Nurcan, Rainer Schmidt, Pnina Soffer, Roland Ukor.

- **Editeur invité du 2ème Numéro Spécial** (IESI) de la revue ISI "Modélisation d'Entreprise et Interopérabilité" chez Hermès/Lavoisier (Editeurs invités : Selmin Nurcan, Khalid Benali, Hervé Pingaud), 2011.
- **Editeur invité du 1er Numéro Spécial** de la revue ISI "Ingénierie d'Enterprise et des Systèmes d'Information" chez Hermès/Lavoisier (Editeurs invités : Selmin Nurcan, Khalid Benali, Hervé Pingaud), 2010.
- **Guest Editor on the Special Issue** on "Adequate Design of Business Processes and Support Systems: Reusability, Best Practices, Theory, ... - Are they the right answers ?" in the **International Journal of Business Process Integration and Management (IJBPIM)**, Special Issue of the 8th Workshop of Business Process Modeling, Development and Support (BPMDS'07), Vol. 4, Issue 2, 2009, **Guest editors**: Ilia Bider, Selmin Nurcan, Rainer Schmidt, Pnina Soffer.
- **Membre du comité de rédaction** de la revue des Sciences et Technologies de l'Information "Ingénierie des Systèmes d'Information (ISI)", Hermès-Lavoisier.
- **Member of the Editorial Board** of the "Requirements Engineering Journal" (REJ), Springer.
- **Member of the International Editorial Board** of the "International Journal of Information System Modeling and Design" (IJISMD), IGI Global.
- **Member of the International Editorial Review Board** of the "International Journal of Innovation and Learning (IJIL)", Inderscience Publishers.
- **Member of the International Editorial Board** of the "International Journal of Information Systems in the Service Sector (IJISSS)" (IJISSS), IGI Global.
- **Associate Editor** of the e-journal on Advances in Enterprise Systems (AES).
- **Member of the International Editorial Advisory Board** of the Advances in End-User Computing (AEUC) Book Series, IGI Global.
- **Member of the International Editorial Board** of the International Journal of Patterns (IJOP).
- **Member of the Editorial Board** of the International Journal on Advances in Life Sciences (IARIA).
- **Membre du Comité de Lecture** du numéro spécial "Ingénierie des Systèmes Collaboratifs : Méthodes, architectures et techniques" de la revue ISI, Hermès/Lavoisier, en préparation.
- **Membre du Comité de Lecture** du numéro spécial "Evaluation des Systèmes d'Information" de la revue ISI, Hermès/Lavoisier, en préparation.
- **Membre du Comité de Lecture** du numéro spécial "Développement des SI à base de modèles : exigence, traçabilité et co-conception" de la revue ISI. Vol 16, N° 5, 2011, Hermès/Lavoisier.
- **Membre du Comité de Lecture** du numéro spécial "Systèmes d'information à base de services" de la revue ISI, Vol 16, N° 2, 2011, Hermès/Lavoisier.
- **Membre du Comité de Lecture** du numéro spécial de la revue ISI "Ingénierie des processus d'entreprise et des systèmes d'information", Vol 11, N°3/2006 chez Hermès/Lavoisier.
- **Referee dans des revues scientifiques** Requirement Engineering Journal (REJ, Springer), Journal of Software: Evolution and Process (JSME, Wiley), IEEE Transactions on Software Engineering (TSE, IEEE), ISI (Ingénierie des Systèmes d'Information - Hermès) et IST (Information and Software Technology - Elsevier), International Journal of Services Technology and Management (IJSTM, InderScience Publishers), Software Process: Improvement and Practice (SPIP, Wiley InterScience) Production Planning and Control Journal (Taylor & Francis Group, Communications of the Association for Information Systems, Journal on Decision Support Systems (Elsevier).

#### **4.3. Groupes de travail**

- Membre du **IFIP Working Group 8.1** (Design and Evaluation of Information Systems).
- Membre du Comité exécutif de l'association **INFORSID**.
- Membre du **Club Pilotes de Processus**; participante à l'atelier "**Pilote de processus et Système d'Information**".

- Membre du groupe de travail AFAI "**Gouvernance des Systèmes d'Information et Architecture d'Entreprise**".
- Membre du Projet **Easy-DIM** initié par le GT ECI des Groupements de Recherche GDR I3 et MACS du CNRS et le GT ERP du GDR MACS.
- Membre du **sous-groupe "méthodologie de conception d'applications coopératives"** du **GT-SCOOP** de 1996 jusqu'à 1998.
- Membre du **Groupe de Travail Collecticiel & Systèmes coopératifs (SCOOP)** du **PRC Communication Homme-Machine** depuis sa création en janvier 1994 jusqu'à 1996. L'objectif de ce groupe de travail a été de réunir des chercheurs de différents domaines de l'informatique pour réfléchir aux divers aspects de la mise en œuvre des systèmes coopératifs. Dans ce groupe de travail, je me suis intéressée aux aspects "formalisation" du travail coopératif supportée par ordinateur. En 1995, j'ai participé au sous-groupe qui a travaillé sur des études de cas concernant des applications workflow.
- **Responsable de la réalisation du système "Travail coopératif et assurance qualité"** dans un projet commun à la société EVER et au LISI répondant à l'appel d'offre pour le projet "Bureau du futur" du ministère de l'industrie. Ce projet (1994-1995) avait pour objectif de construire un système intégrant des technologies existantes pour fournir un système d'aide à l'élaboration coopérative de documents. Le système PRINCE (PRoduction INtelligente et Coopérative de documents en Entreprise) se situe dans un cadre de processus de production de documents qui peut se définir comme un enchaînement des étapes de rédaction, de relecture, d'approbation.
- Participant au groupe de travail "**Groupware**" d'**AFCET** en 1994.
- **Membre du groupe de travail** (LISI-IRPEACS) sur le travail coopératif pendant l'année universitaire 1992-1993. L'objectif a été d'étudier et de comprendre le problème du travail de groupe sous le double éclairage informatique - sciences humaines

#### **4.4. Jurys de thèse de doctorat**

- Ahlem Zayati. Mise en œuvre des architectures orientées services pour les systèmes d'information industriels. INSA de Lyon. 9 octobre 2012.
- Florie Bugeaud. iSamsara: pour une ingénierie des systèmes de services à base de méréologie et d'hypergraphes. Université de Technologie de Troyes. 12 Juillet 2011. *Rapporteur par dérogation de l'ED de l'UTT.*
- Luiz Maria Priego-Roche. Modélisation intentionnelle et organisationnelle des systèmes d'information dans les organisations virtuelles. Université de Grenoble. 13 Avril 2011.
- Khaled Gaaloul. Une approche sécurisée pour la délégation dynamique de tâches dans les Systèmes de Gestion de Workflow. Université Henri Poincaré - Nancy 1. 5 Octobre 2010.
- Wassim Bouaziz. La coordination à base de protocoles dans les Systèmes Multi-Agents : application au workflow inter-organisationnel. Université Toulouse 1. 28 septembre 2010.
- Mohamed Boukhebouze. Gestion de changement et vérification formelle de processus métier: une approche orientée règle. INSA de Lyon. 3 Mars 2010.
- Ophélie Gomes. Conception d'un système d'aide à la décision dans le domaine boursier. Université Lyon 1. 23 novembre 2009.
- Rajaa Saidi. Conception et usage des composants métier processus pour les systèmes d'information. Thèse en co-tutelle Institut Polytechnique de Grenoble - Université Mohamed V-Agdal Rabat. 26 septembre 2009.
- Mohamed Ben Ayed. MIME: méthode d'Ingénierie de Méthodes par Evolution. Thèse Université Paris 1. Université Paris 1 Panthéon Sorbonne. Juillet 2005.
- Jamil Dimassi. Une méthode multi-démarches pour la conception des applications de e-commerce. Université Paris 1 Panthéon Sorbonne. 20 février 2004.
- Samira Si-Said. Proposition pour la modélisation et le guidage des processus d'analyse de système d'information. Université Paris 1 Panthéon Sorbonne. Février 1999.



## 5. Articles représentatifs sélectionnés

### *Thème 1 : Travail coopératif et modélisation de Workflow*

**[N98a] (8.32)** S.Nurcan. ***Analysis and design of co-operative work processes : a framework.*** Information and software technology, Elsevier, 40:3, 1998, p.143-156.

**[N97b] (15 fois)** S.Nurcan, C.Rolland. ***Meta-modelling for cooperative processes.*** The 7th European-Japanese Conference on Information Modelling and Knowledge Bases, May 27-30, 1997, Toulouse, p. 361-377.

=> lien vers Thème 2

**[N96b]** S.Nurcan. ***L'apport du workflow dans une démarche qualité.*** Ingénierie des Systèmes d'Information, Vol. 4, n° 4, 1996, p. 463-489.

## Thème 2 : Modélisation déclarative et adaptative des processus d'entreprise

**[N98d] (7.34)** S. Nurcan, G. Grosz, C. Souveyet. **Describing business processes with a guided use case approach.** The 10th Conference on Advanced Information Systems Engineering CAISE'98, 8-12 June 1998, Pisa, Italy Lecture Notes in Computer Science 1413, p. 339-362.

**[N98e] (16.22)** C. Rolland, S. Nurcan, G. Grosz. **A unified framework for modelling co-operative design processes and co-operative business processes.** Proceedings of the 31st Annual Hawaii International Conference on System Sciences, Big Island, Hawaii, USA, 6-9 January 1998.  
=> lien vers Thème 3

**[N05a] (2.47)** S. Nurcan, A. Etien, R. Kaabi, I. Zoukar, C. Rolland. **A Strategy Driven Business Process Modelling Approach.** Special issue of the Business Process Management Journal on "Goal-oriented business process modeling", Emerald, 11:6, 2005.

**[N05b] (10.24)** S. Nurcan, M.-H. Edme. **Intention Driven Modelling for Flexible Workflow Applications.** Special issue of the Software Process: Improvement and Practice Journal on "Business Process Management, Development and Support", 10:4, 2005.  
=> lien vers Thème 3

**[N06d] (11.24)** O. Saidani, S. Nurcan. **A role based approach for modeling flexible business processes.** The 7th Workshop on Business Process Modelling, Development, and Support (BPMDS'06), (in association with the CAISE'06), Springer Verlag (pub), Juin 5-6, 2006, Luxembourg.

**[N07a] (15.22)** F. Daoudi, S. Nurcan. **A benchmarking framework for methods to design flexible business processes.** Special issue of the Software Process: Improvement and Practice Journal on "Business Process Management, Development and Support", 12:1, 2007.

**[N07f] (6.36)** O. Saidani, S. Nurcan. **Towards Context Aware Business Process Modelling.** The 8th Workshop on Business Process Modelling, Development, and Support (BPMDS'07), (in association with the CAISE'07 Conference), Springer Verlag (pub), June 11-12, 2007, Trondheim, Norway.

**[N08c] (3.41)** S. Nurcan. **A survey on the flexibility requirements related to business processes and modeling artifacts.** Proceedings of the 41st Annual Hawaii International Conference on System Sciences, Big Island, Hawaii, USA, 7-10 January 2008.

**[N08f] (14.22)** K. Bessai, B. Claudepierre, O. Saidani, S. Nurcan. **Context-aware Business Process Evaluation and Redesign.** The 9th Workshop on Business Process Modelling, Development, and Support (BPMDS'08), (in association with the CAISE'08), CEUR, June 16-17, 2008, Montpellier, France.

**[N09d]** K. Bessai, S. Nurcan. **An actor-driven approach for business processes - How to take into account the environment of work?** The 10th Workshop on Business Process Modelling, Development, and Support (BPMDS'09), (in association with the CAISE'09 Conference), LNBIP 29 (Springer), June 8-9, 2009, Amsterdam, The Netherlands.

**[N10a] (8 fois)** C. Rolland, S. Nurcan. **Business Process Lines to deal with the Variability.** Proc. of the 43d Annual Hawaii Int. Conference on System Sciences, Kauai, Hawaii, USA, 5-8 January 2010.

**[N09b] (12.23)** R. Schmidt, S. Nurcan. **BPM and Social Software.** Proceedings of the BPM 2008 Workshops, LNBIP 17, pp. 625-634, 2009. Springer-Verlag.

**[N10g] (13.22)** S. Erol, M. Granitzer, S. Happ, S. Jantunen, B. Jennings, A. Koschmider, S. Nurcan, D. Rossi, R. Schmidt, P. Johannesson. **Combining BPM and Social Software : Contradiction or Chance ?** Special issue of the Software Process: Improvement and Practice Journal on "BPM 2008 selected workshop papers", Volume 22, Issue 6-7, pp. 449-476, October-November 2010.

**[N11c] (11 fois)** G. Bruno, F. Dengler, B. Jennings, R. Khalaf, S. Nurcan, M. Prilla, M. Sarini, R. Schmidt, R. Silva. **Key challenges for enabling Agile BPM with Social Software.** Journal of Software Maintenance and Evolution: Research and Practice, incorporating Software Process: Improvement and Practice, Special Issue on BPM'09 selected workshop papers, Volume 23, Issue 4, pp. 297-326, June 2011.

**[N12g]** K. Bessai, S. Youcef, A. Oulamara, C. Godart, S. Nurcan. **Resources allocation and scheduling approaches for business process applications in Cloud contexts.** 4th IEEE International Conference on Cloud Computing technology and Science (Cloud Com'2012), Taipei, Taiwan, December 3-6, 2012.

### *Thème 3 : Des processus métier à la modélisation d'entreprise*

**[N98f] (16 fois)** C.Rolland, P. Loucopoulos, G. Grosz, S.Nurcan. **A framework for generic patterns dedicated to the management of change in the electricity supply industry.** Proceedings of the 9th International Workshop on Database and Expert Systems Applications (DEXA'98), August 26-28, 1998, Vienna, Austria, p. 907-912.

**[N99a] (9.28)** C. Rolland, S. Nurcan, G. Grosz. **Enterprise Knowledge Development: the process view.** Information and Management Journal, Elsevier, 36:3, 1999, p. 165-184.

**[N99d] (12 fois)** S. Nurcan, J. Barrios, G. Grosz, C. Rolland. **Change process modelling using the EKD - Change Management Method.** Proceedings of the 7th European Conference on Information Systems, ECIS'99, Copenhagen, Denmark, June 23-25, 1999, p.513-529.

**[N00b] (4.40)** C. Rolland, S. Nurcan, G. Grosz. **A Decision Making Pattern for Guiding the Enterprise Knowledge Development Process.** Journal of Information and Software Technology, Elsevier, 42:5, 2000, p. 313-331.

**[N02b] (13 fois)** S. Nurcan, J. Barrios, C. Rolland. **Une méthode pour la définition de l'impact organisationnel du changement.** Numéro Spécial de la Revue Ingénierie des Systèmes d'Information "Connaissances Métier dans l'Ingénierie des SI (article étendu à partir d'une communication sélectionnée du Congrès INFORSID 2002). Volume 7, N° 4, Hermès, 2002.

**[N03a] (5.39)** S. Nurcan, C. Rolland. **A multi-method for defining the organizational change.** Journal of Information and Software Technology, Elsevier. 45:2, 2003, p. 61-82.

**[N04b] (14 fois)** J. Barrios, S. Nurcan. **Model Driven Architectures for Enterprise Information Systems.** the 16th Conference on Advanced Information Systems Engineering, (CAISE'04), Springer Verlag (pub) , June 7-9, 2004, Riga, Lettonie.

## *Thème 4 : Vers la gouvernance du système d'information*

[N08e] S. Nurcan, B. Claudepierre, I. Gmati. ***Conceptual Dependencies between two connected IT domains: Business/IS alignment and IT governance.*** Second International Conference on Research Challenges in Information Science (RCIS'08), Marrakech, Maroc, 3-6 June 2008.

=> lien du Thème 3

[N09h] B. Claudepierre, S. Nurcan. ***Constats et fondements pour des méthodes d'ingénierie de systèmes d'information dirigées par les exigences de gouvernance.*** Numéro Spécial RCIS'08 de la Revue Ingénierie des Systèmes d'Information. Volume 14, N° 4, Hermès, 2009.