Cécile Roisin 's Curriculum Vitæ

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Functions

Professor of Computer Science
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Cécile Roisin is a member of the "Web Adaptation Multimedia" team at LIG (Laboratoire d'Informatique de Grenoble)- INRIA (Institut National de Recherche en Informatique et en Automatique). Her research interests are in the fields of interactive structured and multimedia document processing and their application in Web environments.

Education

- Habilitation thesis, Computer Science, University of Grenoble, 1999
  Dissertation: *Documents multimédias structurés.*
- Ph.D. Computer Science, University of Grenoble, 1984
  Dissertation: *Spécification des protocoles de communication avec le langage CSP*. Supervised by Prof. Louis Bolliet.
- M.S. Computer Science, University of Grenoble, 1981
- Engineer in Computer Science, Institut National Polytechnique de Grenoble, 1981.
- B.A. of Science, University of Bordeaux, 1978.

Professional Experience

- 2002-present: Professor at the Pierre Mendès-France University of Grenoble (Computer Science department of IUT2).
- 1999-2002: Assistant Professor at the Pierre Mendès-France University of Grenoble.
- 1996-1999: Researcher at Inria Rhône-Alpes, manager of the Opera research group (~10 persons).
- 1993-1995: Assistant Professor at the Pierre Mendès-France University of Grenoble.
- 1991-1993: Researcher at Inria Rhône-Alpes.
- 1987-1991: Assistant Professor at the Pierre Mendès-France University of Grenoble.
- 1983-1987: Assistant at the Pierre Mendès-France University of Grenoble.

Scholarly Accomplishments

Publications: see at the end of this Curriculum and on: http://wam.inrialpes.fr/

Graduate Student Supervision

- Supervised MS theses: Bao Le Duc (2007), Ali Choumanne (2005), Fateh Boulmaiz (2003), Lionel Villard (1997), Laurent Carcone (1998)

- Supervised Ph.D. theses:
    - Stéphane Bonhomme (1998, co-supervision with Vincent Quint)
        - transformations de structures dans un contexte interactif
    - Loay Sabry (1999, co-supervision with Nabil Layaïda)
        - schémas d'exécution pour les environnements auteur de documents multimédia distribués
    - Laurent Tardif (2000, co-supervision with Muriel Jourdan)
        - environnments auteur pour l'édition de documents multimédia
    - Lionel Villard (2002, co-supervision with Nabil Layaïda)
        - modèles génériques de documents multimédia
    - Frédéric Bes (2003)
        - formatage pour les présentations multimédias adaptables (unfinished work)
    - Tien Tran Thuong (2003)
        - modèles et traitements des informations audiovisuelles dans les applications multimédia
    - Tayeb Lemlouma (2004, co-supervision with Nabil Layaïda)
        - Architecture de négociation et d'adaptation de services multimédia dans des environnements hétérogènes
    - Joseph Roumier (2003-2006, CIFRE, co-supervision with Laurent Romary)
        - Accès uniforme à un ensemble de bases documentaires hétérogènes (unfinished work)
    - Marc Caillet 2005-2008, CIFRE, co-supervision with Jean Carrive-INA)
        - Langage de description de documents audiovisuels et multimédias pour la publication (unfinished work)

Service and Professional Activities

National and International Professional Activities

- Scientific Advisory Board of the PALETTE European Project (2006-2009).
- Steering Committee, ACM Symposia on Document Engineering, 2001-present.
- Scientific Editorial Board, Document Numérique, Hermès-Lavoisier Publisher, 2003-present.
- Member of the CNRS network RTP 33, Documents and content, AS95: Time in digital documents, 2002-2005.
- Program Review Committee, ACM Symposia on Document Engineering, 2001, 2002, 2003 2004.
- Editor of the Special issue on "Time and Documents", Hermès-Lavoisier Publisher, 2004.
- General co-chair for ACM Symposium on Document Engineering Conference, 2003.
- Program Review Committee, Medianet 2002 and 2004 Conferences.
- Program Review Committee, Multimédia Mobile MCube, 2004.
- International Colloquium ont the "Document Electronique CIDE, 2002.
- Program Review Committee, WWW'8 and WWW'9 conferences.
- Reviewer for
    - IEEE MultiMedia Journal.
    - ACM Multimedia Systems Journal.
    - I3 Journal (in French).

University Service

- Responsible of the "Licence Professionnelle" on Computer Science, « Métiers de l'Internet et des Applications Multimédias » at the Pierre Mendès-France University of Grenoble, 2002-present.
- Responsible of 2 courses: Computer networks and XML technologies.
- Member of numerous Faculty Council Committees (Administrative Board, Scientific Board for Recruitment) at the Pierre Mendès-France University of Grenoble, 1995-present..
- Member of the Student Admission Committee for Licence Professionnelle admission, 2001-present.

- Member of the INRIA Scientific Evaluation Committee, 2002-2005.
- Several times member of the Scientific Board for Recruitment at INRIA Sophia and Rhône-Alpes.
- Manager of the Opera Inria group (1996-1999).

Projects Evaluation

- proposals for ANR CONTENT program (2009), ANR MASSES DE DONNEES program (2006),
- "Image et Technologies de l'Information et de la Communication" for Basse-Normandie ITIC (2003)
- proposals for ACI masses de données (2003)
- post-doctoral positions (2001, 2002)
- Selection Committee for ACI «jeunes chercheurs» du MENRT (1999, 2000, 2001)
- proposals for the Midi-Pyrénées (2001)
- European project evaluation on Document Engineering (1997)

Teaching Activities

- I teach/have taught the following courses at the Pierre Mendès-France University of Grenoble: Computer Networks, Computer Architecture, Sequential Programming, Algorithmic, Object-Oriented Programming, XML Documents.
- I gave lectures on Structured Multimedia Documents in the joint Master of UJF and INPG, University of Grenoble, 2000-2005.
- I have taught XML Technologies at the third year of INSA, Department of Telecommunication, Lyon, 2004-2007.
- I gave a lecture in the INRIA School Publishing on the Internet, September 2004.

Publications

Bernadette Charlier, Aida Boukottaya, Amaury Daele, France Henri, Cécile Roisin, Annick Rossier-Morel. Réifier et réutiliser les pratiques d'enseignement : développement participatif d'un scénario et de services pour les communautés de pratique. In EIAH 09, pages 223-230, INRP Lyon, June 2009.

Jan Mikác, Cécile Roisin, Bao Duc. An export architecture for a multimedia authoring environment. In *DocEng'08: Proceedings of the eigth ACM symposium on Document engineering*, pages 28-31, ACM, September 2008.

Jan Mikác, Cécile Roisin. Comment bâtir un cours multimédia avec LimSee3 ?. *EPI Report*, Oct 2008.

Marc Caillet, Jean Carrive, Cécile Roisin, François Yvon. Engineering Multimedia Applications on the basis of Multi-Structured Descriptions of Audiovisual Contents. In *Proceedings of the international workshop on Semantically aware document processing and indexing*, p.31-40, ACM, 2007

Agnès Guerraz, Cécile Roisin, Jan Mikác, Romain Deltour. Multimedia Authoring for Communities of Teachers. In *International Journal of Web-Based Learning and Teaching Technologies*, vol. 2 (3), pages 1-18, July 2007.

Romain Deltour, Agnès Guerraz, Cécile Roisin. Multimedia Authoring for CoPs. In *TEL-CoPs'06, 1st International Workshop on Building Technology Enhanced Learning solutions for Communities of Practice*, October 2006.

Romain Deltour, Cécile Roisin. The LimSee3 Multimedia Authoring Model. In *Proceedings of the 2006 ACM Symposium on Document Engineering, DocEng 2006*, pages 173-175, ACM, Oct 2006.

Ali Choumane, Hervé Blanchon, Cécile Roisin. Integrating Translation Services within a Structured

Editor. In *Proceedings of the 2005 ACM Symposium on Document Engineering, DocEng 2005*, pages 165-167, ACM Press, November 2005.

Marc Caillet, Jean Carrive, Vincent Brunie, Cécile Roisin. PACE: an Experimental Web-Based Audiovisual Application using FDL. In *Web Document Analysis 2005*, August 2005.
Marc Caillet, Jean Carrive, Cécile Roisin. Description des documents audiovisuels: s'affranchir des limitations de MPEG-7. In *MetSI/Inforsid*, 2005.

N. Layaïda, C. Roisin "Le temps dans les documents" Techniques de l'Ingénieur, 249, rue de Crimée, 75925 Paris Cedex 19, 2004.

C. Roisin "Outils pour la production de présentations hypermédias", Les hypermédias : théorie et pratique, ed. Hermès, septembre 2004 -- Chapitre 7.

C. Roisin "Adaptation aux différents modes de lecture", Publier sur Internet, INRIA summer school, 27 September -1st October 2004, ADBS éditions.

T. Tran-Thuong, C. Roisin, "Multimedia Modeling Using MPEG-7 for Authoring Multimedia Integration", 5th ACM SIGMM International Workshop on Multimedia Information Retrieval (ACM MIR'03), November 7, 2003, Berkeley, CA, USA.- ACM, pp. 171-178.

F. Boulmaiz, C. Roisin, F. Bes, "Improving Formatting Documents by Coupling Formatting Systems", DocEng03, ACM Symposium on Document Engineering, November 2003.

C. Roisin, V. Kober, V. Quint, P. Genevès, P. Navarro "Editing SMIL with Timelines", SMILEurope 2003 - February 12-14, 2003.

F. Bes, C. Roisin "A Presentation Language for Controlling the Formatting Process in Multimedia Presentations", DocEng02, ACM Symposium on Document Engineering, McLean VA, Nov. 2002.

N. Layaïda, L. Sabry-Ismail, C. Roisin, ``Dealing with uncertain durations in synchronized multimedia presentations", *Multimedia Tools and Applications Journal, Kluwer Academic Publishers,* 2002.

T. Tran-Thuong, C. Roisin, "A Multimedia Model Based on Structured Media and Sub-elements for Complex Multimedia Authoring And Presentation", *Int'l Journal of Software Engineering and Knowledge Engineering*, Special Issue on Image and Video Coding and Indexing, 2003.

T. Tran-Thuong, C. Roisin, "An Abstract Animation Model for Integrating SMIL Basic Animation Elements with Multimedia Documents", IEEE International Conference on Multimedia (ICME 2002).

T. Tran-Thuong, C. Roisin, "Structured Media Content Modeling for Multimedia Document Authoring", in Web Document Analysis: Challenges and Opportunities, World Scientific - Series in Machine Perception and Artificial Intelligence, 2002.

L. VILLARD,C. ROISIN,N. LAYAÏDA, « XML-based multimedia document processing model for content adaptation », Digital Documents and Electronic Publishing (DDEP00), LNCS, 2000.

L. TARDIF, F. BES, C. ROISIN, « Constraints for multimedia documents », International Conference on Practical Applications of Constraint Techniques and Logic Programming, Manchester, April 2000.

M. JOURDAN, C. ROISIN, L. TARDIF, L. VILLARD, « Authoring SMIL documents by direct

manipulations during presentation », World Wide Web, Balzer Science Pubs, 2(4), p.179-190, 1999.

M. JOURDAN, N. LAYAÏDA, C. ROISIN, "A survey on authoring techniques for temporal scenarios of multimedia documents", Handbook of Internet and Multimedia Systems and Applications, part 1: Tools and Standards, CRC Press, April 1998.