

Jean-Marc OGIER

22, rue du Pertuis Breton
17340 Chatelaillon
Frecnh, born on July 04, 1967 in NEUFCHATE
(40 years), Married, 3 children
Tél : (33) 5. 46 .45. 82. 15.(University)
Mobile (33) 6. 32. 65 .70. 41
Fax : (33) 5 46 45 82 89

Laboratoire L3i

Pole Sciences et Technologies
Université de La Rochelle
17042 La Rochelle
email : Jean-Marc.Ogier@univ-lr.fr

FRENCH ACADEMIC QUALIFICATIONS

- 1991-1994** **PhD of the University of ROUEN**, France, presented on January 31, 1994
Title : “Contributions à l’analyse automatique de documents cartographiques : Interprétation de données cadastrales” . Contribution to the automatic analysis of cartographic documents – Application to cadastral maps
Very honourable mention, with congratulations.
- 2000** **Accreditation to supervise Research** – University of Rouen, *Décember 23, 2000.*
Title : *From Image to technical documents : interpretation problems*

A FEW DATES IN THE CARREER AT THE UNIVERSITY

- 1994** **Appointed as Assistant Professor**
IUT de Lannion, Computer Sciences departement, University of Rennes I
- 1998** **National Promotion Assistant professor first Class** (Research criteria)
- 1998** **Moving to the** University of Rouen, Computer Sciences department
- 2000** **Accreditation to supervise Research**
- 2001** **Appointed as Full Professor of the University** La Rochelle, dpt Computer Sciences,

SINCE 2003, SCIENTIFIC MANAGEMENT, IN THE L 3I LABORATORY, UNIVERSITY OF LA ROCHELLE

From 2003 to September 2006, the activities of research of the laboratory were organized following of two orthogonal axes: the theoretical and methodological problems on the one hand, and the projects of application on the other hand. Within this framework, I was proposed to ensure the scientific animation and management of the scientific set of themes entitled MATRIIX (Models for the Analysis, the Treatment and the Search for Evolutionary Complex Information), one of the three central sets of themes of L3i. In addition, from the the application projects point of view, I ensured with Rémy Mullot the Co-animation of the project dealing with Documentary Information systems.

Since September 2006, the organization of the laboratory changed and this one is now organized in 3 project teams. I ensure the direction and the management of one of these teams, whose name is i-MeDoc (Image, numerical MEDia and Documents)

Laboratory : Laboratoire Informatique, Image et Interactions (UPRES EA 2118)
Head of the laboratory : Pascal Estraillier (1998->Sept 2006)
Rémy Mullot (depuis Sept 2006)

Personnal activities : animation of the scientific team of research M.A.T.R.I.X. (Models for the Analysis, the Treatment and the Search for Evolutionary Complex Information) the L3i laboratory from 2003 to 2004
Since September 2006, the organization of the laboratory changed and this one is now organized in 3 project teams. I ensure the direction of one of these teams, whose name is i-MeDoc (Image, numerical MEDia and Documents)
Direction of i-Medoc Team September 2006

keywords: Document Recognition, systems of interpretation of image, documentary information system, geographical information system, representation of knowledge, multi-resolution analysis, classification, dynamic planning of programs, graphic recognition, indexing of image.

- **Scientific MATRIX Team : Modèles pour l’Analyse, le Traitement et la Recherche d’Informations complexes évolutives (MATRICE)-** Models for the Analysis, the Treatment and the Search for Evolutionary Complex Information)
- **ScientificManagement :** Jean-Marc Ogier Professor 100%

Within this research team, the considered problems are related to robust classification, fusion of data, structuring features of different levels of abstraction, modeling of space-time data, indexing of evolutionary complex data. This team of research gathered a little more of the third of the members of the laboratory.

- **Project Système d'Informations Documentaires - documentary information system**
- **Scientific Management:** Rémy Mullot Professor 50%
Jean-Marc Ogier Professor 50%

This research project of L3i results from a regrouping of competences within the L3i laboratory. Its objective is to produce tools for analysis for the documentary information systems, with an aim of recognition and/or indexing. The specificity of this project is to consider variable levels of structuration of the analyzed documents. The considered documents can be static documents (fixed images) or dynamic (video document). Many a partnerships/cooperation were developed thanks to my intervention over the reference period: projects ANR (French National Research Agency), Technovision, industrial cooperation,

- **i-Medoc Project Team**
- **Scientific Management:** Jean-Marc Ogier Professor 100%

Since September 2006, the Council of the L3i laboratory proposed to me to lead a research team whose name is "i-Medoc" (Image, numerical MEDia, DOCument). This team gathers 13 full time researchers, 1 ATER (temporary researcher), and 13 PhD students. Its objective is to develop synergies around understanding and the image analyzing techniques. The subjacent problems are related to the type of image which we analyze in the laboratory: UWB, image of documents, image very high resolution.

This team gathers 7 Full Professors and HDR, 6 Assistant Professors (MCF), 1 ATER, 13 Phd Students

Synthesis of supervising and publications (period 2003-2006)

	Total
Phd	9
Master by Research	4
DRT	3
Book chapters	10
National – International journals	5
International Conferences	22
Nationales Conferences	9
Invited Conferences	8
Contracts/projets reports	6

SINCE 2003, NATIONAL AND INTERNATIONAL SCIENTIFIC ACTIVITIES

- **Members of 19 jurys of thesis/HDR since 2003**
- **Depuis 2006, Vice Chair of Technical Committee n°10 (Graphic Recognition de l'International Association for Pattern Recognition (IAPR))**
Since 2006, international authorities of the IAPR (International Association For Pattern Recognition: <http://www.iapr.org/>) proposed to me to become Vice Chair of Technical Committee 10 of this association (www.iapr-tc10.org/), the Chair being Liu Wenyin, Pr in City University of Hong Kong.
- **Deputy manager of GDR CNRS I3 since June 2005. (Group of Research of 700 researchers in France, depending on the French National Research Center)**
Since the last management committee held in June 2005, I ensure with Florence Sedes (Manager of the GDR) and Pierre Marquis the assistance to the management of the GDR I3.
- **From 2002 to 2006: member of the management committee of the GDR CNRS I3** and Co-representative and organizer of the community Document written within GDR CNRS I3 (with Nicole Vincent of the university of Paris 5). Within this framework of this scientific animation, I organised/co-organized more than fifteen national days of research since 2003 (days young researchers, seniors days, multi-field days...)
- Member of the Office of RTP Doc. - RTP Doc. of dpt STIC: Person in charge for the labour relations
Since 2005, I integrated the office of RTP, in order to exchange on the strategic questions of the network of Document analysis researchers in France. More specifically, I was in charge of the relationship to industrial companies but also the animation of the scientific actions around digitalization in general.
- Since January 2007, Responsible for the animation of topic 6 "Digital Document" of the GDR CNRS I3 (French National Research Group). This catch of responsibilities follows upon the reorganization of the GDR, defined within the framework of GDR national meetings, which I organized in January 2007 in La Rochelle

- **International Research and Teaching**

- **Vietnam 40h of course on Pattern Recognition at the Institute for the Francophonie in Data processing (IFI) of Hanoi**, institution financed by AUF (Univesitary Francophon Agency)+ 20h of course on Pattern Recognition as a invited Professor to a summer school organized by the AUF in September 2006 in QuyNhon. It was a question of up-dating the knowledge of a whole of teachers in University in this area of the Southeast Asia..
- **Malaysia 20h of Lectures dealing with « Information Retrieval », December 2006, Univ de Kuala Lumpur**
- **Chili Chile: LECTures of 60h, on the platforms of collaborative work for teaching in self-tuition. Lectures given to the University Playa Ancha, near the town of Valparaiso, Chile, in January 2006**
- **Tunisia : 20h of course on Pattern Recognition, Master by research, Sfax Mars 2007**
- **Spain: 10h of Lectures dealing with « invariant features and evolutionnary algorithms », Avril 2007, UA Barcelone , CVC**

SINCE 2003, MNAGEMENT OF SCIENTIFIC PROJECTS

- **National scientific Responsibility for project ANR (French National Research Agency) "NAVIDOMASS" labellized by the ANR (2007-2010) total**
Amount: 530 k€
Equipment: 140 k€
KeyWords: indexing of images, masses of documents, structuring of spaces of characteristics, signatures, structure of document, information spotting
Partners : LORIA, IRISA, LI Tours, LITIS Rouen, CESR Tours, CRIP5, société EVODIA
- **National scientific Responsibility for project ANR (French National Research Agency) ACI Masses de données « MADONNE ».**
Project ACI Masses of data labellised par le French national Research Ministry, l'INRIA, and the CNRS (2003-2006)
Amount: 150 k€
KeyWords: images indexing, document spotting information spotting
Partners : LORIA, IRISA, LI Tours, LITIS Rouen, CESR Tours, LIRIS Lyon
- **National Responsible of the workshop « Digitizing» of a French program « Society of the Information, Project Society of the information of the CNRS (2004-2005)**
Global Amount : 50 k€
KeyWords : numérisation du patrimoine, recherche par le contenu signatures, structure de document.
Partners : LORIA, IRISA, LI Tours, LITIS Rouen, CESR Tours, LIRIS Lyon
- **Local Responsible of a French program ANR « ALPAGE » (AnaLyse diachronique de l'espace urbain Parisien : approche GEomatique)**
Project ANR (2006-2009)
Global Amount: 300 k€ -
KeyWords : vectorisation of graphic documents, GIS, ...
Partners : LAMOP Paris 1 (resp national), ArcScan Paris 1, OTELO La Rochelle, L3i La Rochelle
- **Local Responsible of a French program Technovision EPEIRES**
Projet MESR et DGA Technovision (2005-2007)
Global Amount: 100 k€
KeyWords : Symbol Recognition, Perfomance evaluation
Partenaires : LORIA Nancy, LITIS Rouen, LI Tours, L3i La Rochelle, Société AlgoTech Biarritz
- **Scientific Responsible of a European project EUREKA : RECONOMAD**
European Project EUREKA (2007-2009)
Global Amount: 1 350 000 €
KeyWords : Reconnaissance on-line, reconnaissance de formes manuscrites
Partners : e-Connector

CONTRACTS MANAGEMENT

PROJECT	TYPE	YEARS	NB Labs (nb researchers)	Global Amount	ROCHELAIS Amount	NATIONAL Leading	PILOTAGE LOCAL	GESTION FINANCIERE
NAVIDOMASS	ANR ARA MDD	2007-2010	7 (55)	530 k€	140 k€	YES	YES	YES
ALPAGE	ANR BLANC	2006-2009	4(19)	300k€	130k€	NO	YES	YES
MADONNE	ACI Masses de Données	2003-2006	6(45)	150 K€	80k€	YES	YES	YES
EPEIRES	Technovision	2005-2007	5(30)	100k€	15k€	NO	YES	YES
MARVEL (cf collab scientifique)	STIC-ASIE	2004-2007	5(35)	140 K€	Thèse Vent d'Est Thomas Martin	NO	YES	YES
RECONOMAD	EUREKA	2007-2009	2(10)	900 k€	Demandé : 260 k€	YES	YES	YES

DEPUIS 2003, SCIENTIFIC COLLABORATIONS

- **Partner Rochelais on MARVEL Projet – laboratory MICA Hanoi Vietnam.**
Projet ICT Asia, MESR, et CNRS (2004-2007)
Global Amount : 140 k€
keywords: multimodal indexing
Partners : IPAL, I2R, NUS (Singapour), UMI CNRS MICA (Vietnam), NII (Japon), NTU, NCKU (Taiwan), INRIA, CLIPS, IRIT (France)
- **Telekom Malaysia : PhD of Noorazrin Zakaria, co-supervising of 3 Master by research**
- **Computer Vision Center de l'Université Autonome de Barcelone**
 keywords : Symbol recognition. **PhD of Noorazrin Zakaria, co-supervising with Josep Lladós of CVC de University Autònoma de Barcelona.**
- **Cartographic document analysis, University of Sfax, Tunisia.**
 Co-supervising of Baddredine Khelifi since March 2007
- **Projet Numérisation de Documents patrimoniaux, Université de Tlemcen, Algérie.**
 Depuis 1998, je coopère avec Monsieur Abdel Bessaid, maître de conférences à l'Université de Tlemcen, Algérie. J'ai co-encadré sa thèse d'état sur le thème de la vectorisation de documents cartographiques

SINCE 2003, EDITING COMMITTEES, PROGRAM COMMITTEES, ..., EDITORIAL BOARDS, , PRESIDENCES

• EDITING/REVIEWING COMMITTEES

Member of the editing committee of the french Journal I3, created by the CNRS.

Au plan international, je suis

- member of the **Editorial Board ELCVIA**, Electronic Letter For Computer Vision and Image Analysis,
- Member of the **Advisory Board de EuropIA.10 International** (<http://europia.org/EuropIA10>).

I was editor, co-editor of several special issues of **journals** : Signal processing and **ELCVIA**

Reviewer for international journals : IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE System Man and Cybernetics, Computer Vision and Image Understanding, Pattern Recognition Letters, Pattern Analysis and Applications, International Journal for Document Analysis, ...

And national journals : I3, Document Numérique, Techniques et Sciences Informatiques, Traitement du signal, ...

• Program committee of conferences

I have been chair or co-chair of the following events :

- **Program co-Chair of Seventh International Workshop on Graphics Recognition (GREC'2007)**, organized by IAPR TC-10 (Technical Committee on Graphics Recognition), Curitiba, Brésil.
- **General chair of Assises du GDR CNRS I3**, la Rochelle from 15 to 17 January 2007.
- **General co-chair of Conférence internationale sur l'écrit et le document**, la Rochelle 2004.
- **General Chair of the industrial/academic partnership days**, 25 June 2004, La Rochelle
- **International Pattern Recognition of Information System (PRIS 2003)**, Angers 2003

Reviewers for conferences.

National: Cifed'98 (Québec), Rfia'00 (Paris), Cifed'00 (Lyon), Cifed'02 (Tunisie), Rfia'02 (Angers), Rfia'04 (Toulouse), EGC 2005 (Clermont Ferrand), Rfia'06 (Tours), EGC 2006 (Lille), EGC 2007

International : Grec'99 (Jaipur, Inde), Grec'01 (Kingston, Canada), Grec'03 (Barcelone, Espagne), Pris'03 (Angers, France), Pris'04 (Porto, Portugal), Pris 2005 (Miami, USA), Grec'05 (Hong Kong Chine), Acivs'05 (Antwerp, Belgium), CIDE 2005, International Conference on Visualization, Imaging, and Image Processing (VIIP 2006, Palma de Mallorca) Pris'06 (Paphos - Cyprus), ICDAR 2007 (Curitiba Brésil), GREC 2007, PRIS 2007 (Portugal), IAPR GREC 2007 (Brésil), ...

SINCE 2003, ASSOCIATION ACTIVITIES, INDUSTRIAL RELATIONS

- **Scientific Associations : member of the administration council CA of l'AFRIF, Vice president du GRCE, membre IAPR**
- **Industrial Relations,**
 - Responsible scientist of collaborations with international Filactiv, project around the nomadism and of documentary touristic information (supervising DRT JF Piret, Lucile Viillard)
 - Responsible of the partnership with Telekom Malaysia on a project of recognition of graphic objects on mobile devices. Supervising of the PhD of Noorazrin Zakaria (70%) (and of 2 DEA) since Seven 2004
 - Responsible of the collaboration project with company COREDEXE on a project on the universal habitat. The idea is to work of dynamic recognition of graphic documents to help the architects at the time of their phase of design of project of dwelling for reduced mobility people. 2005
 - Person in charge relation HP éducation/Research France: member of the international consortium Chameleon, in charge of the relation seeks industry at the international level
 - Person in charge for Structuring of the co-operation Research-Industry at the national level: national partnership APROGED: Association of the Professionals working on the Electronic Management of Documents
 - Creation, presidence and Animation of the first national day Research-Industry at the time of the SDN organized in La Rochelle in 2004. 80 companies, 400 French researchers
 - Animation of Innovation space of the Forum of the GEIDE (7000 visitors), Paris, in October 2004 and 2005 and 2006
 - Animation of the panel discussion on the topic of the digital workflows and companies, with the participation of personalities of prestigious institutions

DEPUIS 2003, RESPONSABILITES ADMINISTRATIVES ET COLLECTIVES

- **Vice President TIC-TICE** of the University of la Rochelle
- **Head of the @ctice service of the University of La Rochelle**, the aim of which is to develop the use of e-learning in teaching
- **Head of the project « Digital Universities in Region », Poitou Charentes Limousin (UNRPCL) grouping 12 high education organisms in 2 regions**
- **Responsible of the Master by research Digital Arts** organized between the University of la Rochelle, the University of Poitiers, and the High School on Image of Angoulême (2001-2004)
- **Head of the de Professionalized University Institute in Computer Sciences** of the University of la Rochelle (2002-2004)
- **Expert for ministry (SDTICE) for projects MIPE**

DEPUIS 2003, OTHER RESPONSABILITES

▪ logistiques Responsabilities:

2003-2007 Head of the project concerning the « pôle communication et multimédia : projet de construction of a new building for ICT at the University of La Rochelle : 5 M€

▪ local et national Functions :

2001-2007 Member of scientific council of the L3i laboratory

2003-2006 Commission mixte de spécialistes (titulaire puis suppléant) 27^{ème} - 61^{ème} - 63^{ème} section, INSA de Rouen

2003-2007 Member of strategic council of Computer sciences department of the University of La Rochelle

2003-2007 Member of the network of the directors of IUPs STIC, on the level national

2003-2007 Member Commission of specialists 27^{ème} 2nd, University of Paris 5

Publications since 2001

Editor

- [1] Jean-Marc Ogier et Thierry Paquet (Eds.), Numéro special "Traitement du document écrit", Volume 22 numéro 3, 134 pages, revue Traitement du signal, 2005
- [2] Jean-Marc Ogier, Thierry Paquet, and Gemma Sanchez (Eds.), Special issue on Document Analysis - Volume 5, Number 2, ELCVIA, Electronic Letter for Computer Vision and Image Analysis August 2005
- [3] J.M. Ogier, Thierry Paquet (Eds.), Actes du Colloque International Francophone sur l'Écrit et le Document (CIFED), La Rochelle, 2004, ISBN ,2-95220-0-8, 308 pages
- [4] Jean-Marc Ogier and Eric Trupin (Eds.) Proceedings of the 3rd International Workshop on Pattern Recognition in Information Systems In conjunction with ICEIS 2003, Angers, France, April 22-23, 2003 Sponsored by the IAPR ISBN: 972-98816-3-4, 197

Book Chapter

- [1] J.M. Ogier, Sebastien Adam, Reconnaissance Graphique : un état des lieux, accepté pour parution dans un traité IC2, Les documents écrits, Rémy Mullot (Eds) , Hermès, 2007
- [2] S. Uttama, J.M. Ogier, P. Loonis. Top-down segmentation of ancient graphical drop cap : lettrine. in Graphics Recognition. Ten Years Review and Future Perspectives, Volume LNCS 3926, Pages 267-278, Springer Berlin / Heidelberg, , ISBN 978-3-540-34711-8, 2006.
- [3] S. Guillas, K. Bertet, J.M. Ogier, A generic description of the concept lattices' classifier : application to symbol recognition. In Graphics Recognition— in Graphics Recognition. Ten Years Review and Future Perspectives, Volume LNCS 3926, Pages 47-60, Springer Berlin / Heidelberg, , ISBN 978-3-540-34711-8, 2006
- [4] N. Zakaria, J.M. Ogier, J. Lladós. On-line Graphics Recognition based on Invariant Spatio-Sequential Descriptor: Fuzzy Matrix. in Graphics Recognition. Ten Years Review and Future Perspectives, Volume LNCS 3926, Pages 61-73, Springer Berlin / Heidelberg, ISBN 978-3-540-34711-8, 2006
- [5] M. Delalandre, E. Trupin, and J. Ogier. Local structural analysis: A primer. In : Graphics Recognition—Recent Advances and Perspectives, J. Lladós, Y.B. Kwon (eds), Lecture Notes in Computer Science, 3088. Springer Verlag, pp. 220–231. ISBN: 3-540-22478-5 (2004)
- [6] Youssouf Saidali, Sebastien Adam, Jean-Marc Ogier, Eric Trupin, Jacques Labiche. Knowledge Representation and Acquisition for Engineering Document Analysis. In : Graphics Recognition—Recent Advances and Perspectives, J. Lladós, Y.B. Kwon (eds), Lecture Notes in Computer Science, 3088. Springer Verlag, pp. 25–36. ISBN: 3-540-22478-5 (2004)
- [7] Mathieu Delalandre, Youssouf Saidali, Eric Trupin, Jean-Marc Ogier. Adaptable Vectorisation System Based on Strategic Knowledge and XML Representation Use. In : Graphics Recognition—Recent Advances and Perspectives, J. Lladós, Y.B. Kwon (eds), Lecture Notes in Computer Science, 3088. Springer Verlag, pp. 196–207. ISBN: 3-540-22478-5 (2004)

- [8] Karell Bertet, Jean-Marc Ogier. Graphic Recognition: The Concept Lattice Approach. In : Graphics Recognition—Recent Advances and Perspectives, J. Lladós, Y.B. Kwon (eds), Lecture Notes in Computer Science, 3088. Springer Verlag, pp. 263–276. ISBN: 3-540-22478-5 (2004)
- [9] Patrick Franco, Jean-Marc Ogier, Pierre Loonis, Remy Mullot. A topological measure for image object recognition. In : Graphics Recognition—Recent Advances and Perspectives, J. Lladós, Y.B. Kwon (eds), Lecture Notes in Computer Science, 3088. Springer Verlag, pp. 277–288. ISBN: 3-540-22478-5 (2004)
- [10] J.M. Ogier, R. Mullot, Un système de reconnaissance automatique de documents techniques - Application aux plans de cadastre Revue Techniques et Sciences Informatiques RSTI - TSI. Volume 21 – n° 10/2003, pages 1 à 27.
- [11] S. Adam, J.M. Ogier, C. Cariou, R. Mullot, J. Gardes, Y. Lecourtier, Fourier-Mellin Based Invariants for the Recognition of Multi-Oriented and Multi-Scaled Shapes : Application to Engineering Drawings Analysis, in Invariants for Pattern Recognition and Classification, edited by Marcos A Rodrigues, Series in Machine Perception and Artificial Intelligence Vol 42, World Scientific, 2001, pp132-147, ISBN 981-02-4278-6.
- [12] S. Adam, R. Mullot, J.M. Ogier, C. Cariou, J. Gardes, Y. Lecourtier, Processing of the Connected Shapes in Raster-to-Vector Conversion Process, in Lecture Notes in Computer Science (LNCS), pp 237-244, vol 1941, 2000.
- [13] S. Adam, J.M. Ogier, C. Cariou, R. Mullot, J. Gardes, Y. Lecourtier, Combination of Invariant Pattern Recognition primitives on Technical Documents, in Lecture Notes in Computer Science (LNCS), pp 29-36, vol 1941, 2000.

Journals

- [14] Patrick Franco, Jean-Marc Ogier, Pierre Loonis, Rémy Mullot: description d'un objet graphique : proposition d'un modèle opérant dans l'espace image ou dans l'espace cosinus discret, accepté pour parution dans la revue Traitement du Signal , 2007,
- [15] A. Bessaid, H.Bechar, J.M. Ogier: Automatic topographic colour map analysis system, Accepté pour parution dans A.M.S.E journal (Association for the Advancement of Modelling &Simulation Techniques in Entreprises, 2006
- [16] J.M. Ogier, A. Belaid: La Numérisation en Question, dans La Redocumentarisation du Monde, Pédaque Roger T.(Eds), I.S.B.N 978.2.85428.728.8, Cépadues, 2006
- [17] S. Guillas, K. Bertet, J.M. Ogier : Les treillis de Galois : un outil pour la sélection de primitives ?, Traitement du Signal, 2005, Vol. 22, N° 3, p. 273-291.
- [18] M. Delalandre, E. Trupin, J. Ogier, and J. Labiche. Contextual system of symbol structural recognition based on an object process methodology. Electronic Letters on Computer Vision and Image Analysis (ELCVIA), 5(2): 16-29, 2004.
- [19] S. Adam, J.. Ogier, C. Cariou, R. Mullot, J. Gardes, Y. Lecourtier, Utilisation de la Transformée de Fourier-Mellin pour la Reconnaissance de Formes Multi-Orientées et Multi-Échelles : Application à l'Analyse Automatique de Documents Techniques, publié dans la revue Traitement du Signal (TS), Volume 18, Numéro 1, 2001, pp 17-33.

- [20] S. Adam, J.M. Ogier, C. Cariou, R. Mullot, J. Labiche, J. Gardes , Symbol and Character Recognition : Application to Engineering Drawings, International Journal for Document Analysis and Recognition, IAPR-IJDAR (2001) 3: 89-101
- [21] J.M. Ogier, R. Mullot, J. Labiche, Y. Lecourtier, The Semantic Coherency: The Basis of an Image Interpretation Device - Application to the French Cadastral Map Interpretation, IEEE Trans. on System, Man and Cybernetics (SMC) : Part B –Cybernetics, 30(2), pp 322-338, April 2001.
- [22] J.M. Ogier, R. Mullot, J. Labiche, Y. Lecourtier, Technical Map Interpretation: A Distributed Approach, (PAA) International Journal of Pattern Analysis and Applications (2001)3:88-103, 2001
- [23] S. Adam, J. M. Ogier, C. Cariou, R. Mullot, J. Gardes, J.Labiche, Character Recognition, Orientation and Scale Estimation thanks to the Fourier Mellin Transform, In Advances in Pattern Recognition 2000 , F. J. Ferri, J. M. Inesta, A. Amin, P. Pudil (Eds), Springer Verlag N°1876, pp 472-481.

International Conferences

- [24] Romain raveaux, Jean-Christophe Burie, Jean-Marc Ogier, A colour document interpretation: Application to ancient cadastral maps, accepté pour publication pour la conférence ICDAR (International Conference On Document Analysis and Recognition, Curitiba, Brésil Septembre 2007
- [25] Thomas Martin , Alain Boucher, Jean-Marc Ogier, Mathias Rossignol, Eric Castelli, MULTIMEDIA SCENARIO EXTRACTION AND CONTENT INDEXING FOR E-LEARNING, accepted for CBMI'07 - Content-Based Multimedia Indexing, Bordeaux, Juin 2007-04-24
- [26] Romain raveaux, Jean-Christophe Burie, Jean-Marc Ogier, A contribution to Ancient Cadastral maps analysis through color analysis, accepté pour publication pour la conférence Pattern Recognition in Information System, Funchal-Madeira/Portugal, Juin 2007.
- [27] K. Bertet, S. Guillas, and J.-M. Ogier. On the joint use of two implicational bases. In Proceedings of 5th International Conference on Formal Concept Analysis, ICFCA'07, p 23-39, Clermont-Ferrand, France, 12-16 february 2007.
- [28] T. Martin, A. Boucher, and J-M. Ogier. Multimodal Interactions for Multimedia Content Analysis. In Proc. of the first International COnference on Theories and Applications of Computer Science (ICTACS 2006), pages 68-73, august 2006 . World Scientific.
- [29] J.M. Ogier, Karl Tombre, Madonne : Cultural Image Analysis Techniques for Cultural Heritage Document, Digital Cultural Heritage, Proceeding of the 1st EVA Vienna Conference, ISBN 3-85403-211-0 Oesterreichische Computer Gesellschaft, pp 107-114, août 2006.
- [30] Rudolf Pareti, Surapong Uttama, Jean-Pierre Salmon Jean-Marc Ogier, Salvatore Tabbone, Laurent Wendling, Sébastien Adam, Nicole Vincent, On defining signatures for the retrieval and the classification of graphical drop caps. Accepted for publication In DIAL'06 : Proceedings of the IEEE International Conference on Document Image Analysis for Libraries, pp 220-243, 2006
- [31] S. Guillas, K. Bertet, and J-M. Ogier. Concept lattice classifier : a first step towards an iterative process of recognition of noised graphic objects. In proceedings of Fourth International Conference on Concept lattices and their Applications, CLA'2006, p 257-263, Yasmine Hammamet, Tunisia, 30 october-1 november 2006.
- [32] Noorazrin Zakaria, Jean-Marc Ogier, Josep Lladós: The Fuzzy-Spatial Descriptor for the Online

Graphic Recognition: Overlapping Matrix Algorithm., in International Workshop on Document Analysis Systems 2006: 616-627, Nelson, New Zealand

- [33] S. Guillas, K. Bertet, et J.-M. Ogier. Reconnaissance de symboles bruités à l'aide d'un treillis de Galois. Colloque International Francophone sur l'Ecrit et le Document, CIFED 2006, p 85-90, Fribourg, Suisse, 18-21 septembre 2006,
- [34] Noorazrin Zakaria, Jean-Marc Ogier, Josep Lladós, Online Graphic Recognition using a novel Spatio-Sequential Descriptor in Proceedings of M²USIC, MMU International Symposium on Information and communication Technologies, ISBN 983-43160-0-3, 16th - 17th November 2006, Petaling Jaya, Malaysia.
- [35] Patrice Boursier, Norazrin Zakaria, J.M Ogier, Hong Tat Ewe, Noramiza Hashim , Structural Analysis on Ground Level Image of Man-Made objects Using Fuzzy Spatial Descriptor, In Proceedings of M²USIC, MMU International Symposium on Information and communication Technologies, ISBN 983-43160-0-3, 16th - 17th November 2006, Petaling Jaya, Malaysia.
- [36] T. Martin, A. Boucher, And J.M. Ogier, Multimodal analysis of recorder video for e-learning. In MULTIMEDIA'05 : Proceedings of the 13th annuel ACM International Conference on Multimedia, New York, NY, USA, pages 1043-1044, november 2005, ACM Press.
- [37] C. Liebe, Z. Gaugue, O. Sisma, A-C. Lepage, J.-M. Ogier, Radar UWB : "Vision à travers les Murs, accepté pour publication dans les actes des 15 èmes journées nationales Microondes, Mai 2007, Toulouse, France
- [38] Stéphanie Guillas, Karell Bertet and Jean-Marc Ogier, Concept Lattices : a Tool for Supervised Classification ?, Proceedings of the International Conference on Machine Intelligence ACIDCA-ICMI'2005, pages 1043-1044, november 2005, Tozeur, Tunisia.
- [39] Utama. Surapong, Jean.Marc.Ogier Patrick. Franco, A New Technique for Ancient Document Indexing, Proceedings of the International Conference on Machine Intelligence ACIDCA-ICMI'2005, pages , november 2005, Tozeur, Tunisia.
- [40] Noorazrin ZAKARIA, Jean Marc OGIER, Josep LLADOS, Retrieval of Free-hand Sketches using Invariant Spatio-Sequential Descriptor: Overlapping Matrix, Proceedings of the International Conference on Machine Intelligence ACIDCA-ICMI'2005, pages 48-56, november 2005, Tozeur, Tunisia.
- [41]. M. Delalandre, E. Trupin, J. Labiche, and J. Ogier. Graphical knowledge management in graphics recognition systems. In *Workshop on Graph-based Representations (GbR), Lecture Notes in Computer Science (LNCS)*, 3434: 35-44, 2005.
- [42] K. Bertet, S. Guillas, and J.-M. Ogier. Concept lattices: a tool for primitives selection ? In proceedings of Sixth IAPR International Workshop on Graphics Recognition (GREC'05), p 56-67, Hong Kong, Chine, 2005..
- [43] S. Utama, M. Hammoud, C. Garrido, P. Loonis, J.M Ogier, Ancient Graphic Documents Characterization, Sixth IAPR International Workshop on Graphics Recognition, GREC 2005, Hong Kong SAR, China, August 2005.
- [44] M. Delalandre, E. Trupin, J.M. Ogier. Symbols Recognition System for Graphic Documents Combining Global Structural Approaches and Using a XML Representation of Data. Workshop on Structural and Syntactical Pattern Recognition (SSPR), pp 425-433, 2004.
- [45] P. Franco, JM. Ogier, P. Loonis, and R. Mullot, Proposition d'un modèle de description d'un objet dans une image, In Colloque International Francophone sur l'Ecrit et le Document (CIFED'04), pages 51-56, La Rochelle, Juin 2004 ».

- [46] S. Adam, M. Rigamonti, E. Clavier, E. Trupin, J.M. Ogier, K. Tombre, J. Gardes, Docmining : A document analysis system builder; Document Analysis System VI, Lecture Notes in Computer Sciences 3163; pp 472-483 (2004).
- [47] M. Delalandre, E. Trupin, J.M. Ogier, J. Labiche. Système Contextuel de Reconnaissance Structurale de Symboles, Basé sur une Méthodologie de Construction d'Objets, Colloque International Francophone sur l'Écrit et le Document (CIFED), pp 57-62, 2004.
- [48] M. Delalandre, E. Trupin, J.M. Ogier, Système de Reconnaissance Structurale de Symboles, Basé sur une Multi Représentation en Graphes de Régions et Exploitant une Représentation XML des Données. Colloque International Francophone sur l'Écrit et le Document (CIFED), pp 177-182, 2004.
- [49] E. Clavier, S. Adam, P.Héroux., M. Rigamonti, J.M. Ogier, Docmining - Une plate-forme de conception de systèmes d'analyse de document; Huitième Colloque International Francophone sur l'Écrit et le Document; pp 97-102 (2004).
- [50] A. Al-hajj, K. Bertet, J.Gay et J-M. Ogier, Aide à la reconnaissance d'objets détériorés avec un treillis de Galois.In Atelier Treillis, AFIA 2003, Laval, France, juin 2003.
- [51] M. Delalandre, E. Trupin, J.M. Ogier, Analyse Structurale en Interprétation de Documents: Un Bref Survol. International Conference on Image and Signal Processing (ICISP), pp 640-649, 2003.
- [52] M. Delalandre, S. Nicolas, E. Trupin, J.M. Ogier, Reconnaissance de Symboles par Approche Structurale Globale-Locale, Basée sur l'Utilisation de Scénarios, et Exploitant une Représentation XML des Données, International Conference on Image and Signal Processing (ICISP), pp 631-639, 2003.
- [53] M. Delalandre, S. Nicolas, E. Trupin, J.M. Ogier, Symbols Recognition by Global-Local Structural Approaches, Based on the Scenarios Use, and with a XML Representation of Data, International Conference on Document Analysis And Recognition (ICDAR), pp 1002-1006, 2003.
- [54] S.Adam., J.M. Ogier, E. Trupin, R. Mullot, A scale and rotation parameters estimator"; Third International IAPR Workshop on Pattern Recognition in Information Systems, Angers; pp 31-37 (2003).
- [55] M. Delalandre, P. Héroux, S. Adam, E. Trupin, J.M. Ogier, Statistical and Structural Approach for Symbol Recognition Using XML Modelling"; Workshop on Structural and Syntactical Pattern Recognition (SSPR), Lecture Notes in Computer Science, vol 2396; pp 281-290 (2002).
- [56] P. Loonis, J.M. Ogier, S. Adam, R. Mullot, Approche multi-sources pour la reconnaissance de formes sur des documents techniques; 3^{ème} Conférence International Francophone sur l'Écrit et le Document (CIFED 2002), Hammamet, Tunisie, 21-23 octobre 2002; pp 145-152 (2002).
- [57] M. Delalandre, P. Héroux, S. Adam, E. Trupin, J.M. Ogier, Une Approche Statistico-Structurale pour la Reconnaissance des Symboles Exploitant une Représentation XML des Données; Colloque International Francophone sur l'Écrit et le Document (CIFED); pp 121-128 (2002).
- [58] S. Adam, J.M. Ogier, C. Cariou, J. Gardes, A Scale and Rotation Parameters Estimator : Application to Technical Document Interpretation; Fourth IAPR International Workshop on Graphic Recognition; pp 377-380 (2001).
- [59] J. Gardes, J.M. Ogier, S. Adam, R. Mullot, CAATI, A System-Based Dynamic Document Interpretation Device; Fourth IAPR International Workshop on Graphic Recognition; pp 301-311 (2001).

- [60] J.M. Ogier, S. Adam, A. Bessaïd, H. Béchar, Automatic Topographic Map Analysis System; Fourth IAPR International Workshop on Graphic Recognition; pp 229-244 (2001).
- [61] E. Trupin, J.M. Ogier, S. Adam, P. Héroux, Navigation into Technical Documents; Fourth IAPR International Workshop on Graphic Recognition; pp 27-34 (2001).

Invited Conferences

Scientific

- [1] Jean-Marc Ogier, Numérisation du patrimoine : point de vue des analyseurs d'image Atelier De l'archive à l'open archive : l'historien et internet, Projet ATHIS, Mars 2006, Rome
- [2] Stéphanie Guillas, Karell Bertet, Jean-Marc Ogier, Comment utiliser le treillis de Galois en Reconnaissance d'Images Atelier ECOI Extraction de CONnaissance à partir d'Images, Lille, EGC 2006
- [3] Conférence invitée pour le workshop organisé par l'International Association for Pattern Recognition Workshop IAPR - GREC'2005 (Graphic Recognition), Hong Kong, China, sur "Image analysis techniques for graphic recognition".
- [4] Jean-Marc Ogier, Document Digitization Problems, International Summerschool on digital documents Tromsø June 27 - July 3, 2005, Norway
- [5] Jean-Marc Ogier, Madonne's Project, International Webconference on digital documents, conférence diffusée depuis Lyon sur plusieurs points en Europe, Janvier 2005
- [6] Conférence invitée pour le workshop organisé par l'International Association for Pattern Recognition Workshop IAPR - GREC'2003 (Graphic Recognition), Barcelona, Spain, sur "Discrete Signature for Pattern Recognition".
- [7] Al-hajj, K. Bertet, J.Gay, and J.-M. Ogier, Aide à la reconnaissance d'objets détériorés avec un treillis de Galois. In Atelier Treillis, AFIA 2003, Laval, France, Juin 2003.
- [8] Conférence Invitée au Salon Professionnel "Géo-évènement", Etat de l'Art en matière de Reconnaissance de Texte sur des documents cartographiques", Palais des Congrès Paris, Mars 2003.
- [9] Jean-Marc Ogier, Document Analysis, Séminaire scientifique de l'Institut pour la francophonie en informatique, June 01, Hanoi Vietnam.
- [10] Professeur invité au Computer Vision Computer de l'UAB Barcelone : Conférences sur le thème "Document Analysis", Juin 2002.
- [11] Lead speaker (conférence invitée) pour le workshop organisé par l'International Association for Pattern Recognition Workshop IAPR - GREC'2001 (Graphic Recognition), Kingston Canada, sur l'analyse de documents cartographiques.

En relation with industry and socio-economic partners

- [12] Jean-Marc Ogier, Francis Allard, Maurice Spérandio, Anotation de l'atelier « Forum Université Emploi – Thème », organisé à l'initiative du premier ministre, IUT de La Rochelle, 31 Mai 2006
- [13] **Animation de l'espace Innovation et Prospectives du Forum de la GEIDE** (7000 visiteurs), Paris, en Octobre 2004 et 2005, en tant que représentant de la communauté Recherche Française sur le thème du document numérique en tant que Membre du Comité d'Orientation Stratégique du Forum de la GEIDE. Cet espace innovation et perspectives a pour objectif de fédérer et promouvoir les structures innovantes à l'occasion du forum de la GEIDE. Une dizaine de stands est réservée à ces structures. L'ACI Madonne a en particulier présenté les activités du réseau en Octobre 2005.
- [14] **Co-animation d'un atelier** (avec Louise GUERRE – Directrice de la revue Archimag, PDG du groupe SERDA) sur le cycle de vie d'un document numérique dans l'administration au salon national **Futurinfo** (<http://www.futurinfo.org/>), dont le thème général est **la modernisation du service public et de l'e-administration**, placé sous le haut patronage du Premier Ministre.
- [15] Animation de la table ronde sur le thème "**Entreprise Etendue**", en présence du secrétaire d'état en charge de la réforme de l'état, Eric Woerth, du MEDEF, de la CFCI, de la fondation HEC, Forum de la GEIDE, Octobre 2004-12-12.
- [16] Conférence invitée sur le thème "Intelligence Artificielle", Club d'entreprise Rochelais Club 41, La Rochelle, Janvier 2002.

In Connexion with ICT and e-learning

- [17] Jean-Marc OGIER, Accès à un ENT via un kiosque de prêt d'ordinateurs portables à l'Université de la Rochelle, Colloque International, «l'Université à l'ère Numérique »
- [18] Le projet Bac-up de l'université de La Rochelle, Christian ESKENAZI, Jean Marc OGIER, Grâce KRASKA, Mickaël GUI CHARD, BIENNALE de l'EDUCATION et de la FORMATION, Lyon (11 au 14/04/2006)

Patents

- [Br1] R. Mullot, J.M. Ogier, J. Gardes, Y. Lecourtier, Procédé de segmentation et de reconnaissance d'un document, notamment d'un plan technique (dépôt de brevet par France Télécom n° 98.05825 du 7 mai 1998) – Brevet internationalisé.
- [Br2] J.M. Ogier, J. Gardes, C. Cariou, J. Iviglia, "Procédé de reconnaissance de formes invariant par rotation et changement d'échelle" (dépôt de brevet par France Télécom n° EN 99.02632 du 23 Mars 1999) – Brevet internationalisé.