

Nazha SELMAOUI-FOLCHER, Associate professor HDR in Computer Science at ISEA Lab
(Institute of Exact and Applied Sciences)

I was the leader of a multidisciplinary laboratory on material and environment from 2012 to 2016 (PPME EA 3325). I am teaching Computer Sciences and Mathematics. I was the coordinator for the national projects FOSTER (funded by French contract ANR-COSINUS in Big Data) dedicated to Knowledge Discovery on Spatio-temporal Databases and Application to Soil Erosion. I participate to other projects like CNRS big data (MASTODONS). I am member of LABEX-CORAIL (laboratory of excellence, Funded by French Agency). I received my Ph.D. degree on image analysis in 1992 from the "Institut National des Sciences Appliquées" at Lyon (France) and my Habilitation degree on data mining in 2012 from the University of Lyon I. My current research interests are image analysis, machine learning, data mining applied to time series of satellite images and spatio-temporal data (environmental data, scientific data, health data, climate data, etc.). I am involved in the program committees of many data mining conferences and Journals.

I'm interested in the analysis of large volumes of data in general (symbolic, numeric and sensor data). I develop new methodologies to cross data from different sources, heterogeneous, multi-scale, inaccurate, etc. to find patterns that describe trends or regularities, isolated extreme events. Currently, I work on the spatial and temporal changes of studied objects in different disciplines.

CONTACT INFORMATION

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EDUCATION AND EXPERIENCE

2017-2022	Beneficiary of Doctoral Supervision award (PEDR, 20%)
2013-2017	Beneficiary of a French scientific excellence award (PES, A)
2012	HDR - Habilitation research in Computer Science, INSA-Lyon, France
2006-2007	Invited researcher at LIRIS Research Unit CNRS 5205, INSA-Lyon, France
1992	Ph.D. in Computer Science, INSA de Lyon, France
Juin98-Août98	Associate researcher at the INSERM Research Unit 121, Lyon, France.
Oct97-Fév 98	Engineer Research and Development at the oil refinery company ELF-MIDER, Leipzig, Germany.
1996 –1997	Post-Doctoral at the PRIP team (Pattern Recognition and Image Processing), Vienna University of Technology, Austria.
1993 – 1996	Lecturer, and associate researcher in Computer Science, Reconnaissance de Formes et Vision, INSA Lyon, France.
1998 – 1993	Lecturer and associate researcher in Computer Science, Reconnaissance de Formes et Vision, INSA-Lyon, France

RESEARCH INTERESTS

Data mining, Data analysis, Knowledge Discovery in datasets, Spatio-temporal pattern mining, Clustering, Use of pattern in supervised classification, Supervised classification, Image analysis, Segmentation, Pattern recognition, Machine learning, Deep learning, Domain driven data mining, Feature construction, Temporal image analysis and mining, satellite images, Environmental data monitoring, Health data analysis, Survey analysis.

MAIN PROJECTS

2015-2018	Contribution to CNRT (National Center of Research and Technology) Dynamine: "Metal Dispersal from the Mine to the Lagoon"
2015	Contribution to "Dry Forest" project on "Mining fruit bat trajectories" in collaboration with IAC (Institut agronomique néo-Calédonien).
2016-2018	Contribution to CNRT (National Center of Research and Technology) "Asbestos and best practices".
2014-2016	Contribution to INDES0 (Shrimp Farming Monitoring) project "development of tools for monitoring aquaculture ponds in Indonesia". Funded by Collecte Localisation Satellite.
2016	Contribution to Labex-Corail project: "Data mining to monitoring coral reef in New Caledonia". Internship Funded by Labex-Corail.
2011-2014	Coordinator of the FOSTER project Funded by French ANR-COSINUS (FOSTER: Spatio-temporal data mining: application to the understanding and monitoring of soil erosion). PPME-University of New Caledonia (coordinator), LIRIS INSA Lyon, iCube University of Strasbourg, LISTIC University of Chambéry and Bluecham company.
2013-2014	Contribution to MASTODONS Project "AMADOUER" funded by French Center CNRS.
2010-2014	Contribution to CNRT (National Center of Research and Technology) project "Functioning of catchment basins" funded by CNRT (National Center of Research and Technology) in New Caledonia.
2010-2011	Contribution to "Prevention and prediction of dengue epidemics in New Caledonia" project, funded by MOM (French Minister of overseas). IRD (Coordinator), DASSNC, IPNC, Meteo France.

- 2014-2015 Contribution to "Dry Forest" project on Protection and regeneration of the dry forest of New Caledonia. "Statistical Analysis of Ecological data". IAC (Institut agronomique néo-Calédonien).
- 2014 Coordinator of the "Environmental data warehousing" project "Contribution to a decision making system applied to environmental data" funded by KNS.
- 2008-2009 Contribution to "Fond Pacifique" project "Development of tools and methods for monitoring and assessing erosion impacts and risks". ERIM-University of New Caledonia, US-Espace 140 de l'IRD, Bluecham SAS and Landcare Research of New Zealand.

PHD STUDENTS SUPERVISION

- 2017-2029 Cyril François: " Multivariate time series analysis to better management renewable energies production". Funded by French Government. Supervised in collaboration with Pr. Jean Diata (LIM, Univ. La réunion).
- 2017-2019 Jannai Tokotoko: "Big data and data science for monitoring natural resources". Funded by Government of New-Caledonia (Bourse BERU). Supervised in collaboration with Dr. Hugues Lemonnier (LEAD-NC, IFREMER).
- 2014-2017 Zhi Cheng: "Mining in sequential graph attributed. Application to monitoring aquaculture ponds in Indonesia". Funded by French Government.
- 2014-2017 Niken Gusmawati: "Which remote sensing indicators to survey shrimp farms in activity and to rehabilitate abandoned sites?". Funded by INDESO project. PhD supervised in collaboration with Dr. Hugues Lemonnier (LEAD-NC, IFREMER). Defended in July 2017.
- 2011-2014 Jérémy Sanhes: "Contribution to spatio-temporal data mining : application to erosion study". Funded by FOSTER (ANR-COSINUS) project. Supervised in collaboration with Pr. Jean-François Boulicaut (LIRIS 5205 CNRS - INSA Lyon). Defended in September 2014.
- 2010-2013 Hugo Alatrística Salas: "Spatio-temporal data mining from health and environment data". PhD supervised collaboration with M. Teisseire (TETIS/IRSTEA). Defended in Octobre 2013.
- 2006-2009 Dominique Gay: "Constraint-based pattern mining for classification purpose". Funded by French Government. Supervised in collaboration with Pr. Jean-François Boulicaut (LIRIS 5205 CNRS - INSA Lyon). Defended in November 2009.

RECENT AND SIGNIFICANT PUBLICATIONS

International and National Journal

- N. Gusmawati, B. Soulard, N. Selmaoui-Folcher, C. Proisy, A. Mustafa, R. Le Gendre, T. Laugier, H. Lemonnier: "Surveying shrimp aquaculture pond activity using multitemporal VHR satellite images - case study from the Perancak estuary, Bali, Indonesia". In Marine Pollution Bulletin, 2017. (In Press)
- C. Pasquier, F. Flouvat, J. Sanhes and N. Selmaoui-Folcher: "Attributed Graph Mining in the presence of automorphism". In International Journal of Knowledge and Information Systems (KAIS), Vol. 50, N°2, pp. 569-584, 2017.
- N. Gusmawati, Z. Cheng, B. Soulard, H. Lemonnier, N. Selmaoui-Folcher: "Aquaculture Pond Precise Mapping in Perancak Estuary, Bali, Indonesia". In Journal of Coastal Research, Special Issue N°75, pp. 637-641, 2016.
- C. Pasquier, J. Sanhes, F. Flouvat and N. Selmaoui-Folcher: "Frequent pattern mining in attributed trees: Algorithms and applications". In International Journal of Knowledge and Information Systems (KaIS), March 2016, Vol. 46, N° 3, pp 491-514, 2016.
- H. Alatrística-Salas, S. Bgingay, F. Flouvat, N. Selmaoui-Folcher and M. Teisseire: "Spatio-sequential patterns mining: beyond the boundaries". In International Journal of Intelligent Data Analysis (IDA), Vol 20, N° 2, pp 293-316, 2016.
- F. Flouvat, J-F N'guyen Van Soc, E. Desmier and N. Selmaoui-Folcher: "Domain-driven co-location mining. Extraction, visualization and integration in a GIS". GeoInformatica, Vol. 19, N° 1, pp.147-183, January 2015.
- H. Alatrística-Salas, J. Azé, S. Bringay, F. Cernesson, N. Selmaoui-Folcher, M. Teisseire: "A Knowledge Discovery Process for Spatiotemporal Data: Application to River Water Quality Monitoring". In Ecological Informatics, Vol. 26, Part 2, pp.127-139, 2015.
- R. Andréoli, B. Ducarouge, J. Maura, A. Leopold, P-N. Mougél, A. Durand, C. Marchand, N. Selmaoui-Folcher, H. Yésou, C. Tinel, D. Fontanaz, D. Lille: "L'imagerie spatiale à très haute résolution au coeur du dispositif de Geospatial Cloud Computing QêhnelôTM: application aux données Pléiades en Nouvelle-Calédonie". Revue Française de Photogrammétrie et de Télédétection, Vol. 209, 2015, pp.47-57, 2015.

L. Cerf, D. Gay, N. Selmaoui-Folcher, B. Crémilleux, J-F. Boulicaut: "Parameter-free classification in multi-class imbalanced data sets". In *International Journal on Data Knowledge Engineering*, Elsevier, Vol. 87, pp.109-129.

H. Alatrística-Salas, F. Flouvat, S. Bringay, N. Selmaoui-Folcher and M. Teisseire: "A Spatial-based KDD process to better Manage the River Water Quality". In *International Journal of Geomatics and Spatial Analysis (RIG)*. Hermes, Vol. 23, No 3-4, 2013, pp.471-496.

N. Selmaoui-Folcher, F. Flouvat, H. Alatrística-Salas and S. Bringay: "Motifs spatio-temporels: enjeux et applications à l'environnement". Invited article in *RIA (Revue d'Intelligence Artificielle)*, RSTI, Vol. 27, N°4-5, 2013.

D. Gay, N. Selmaoui-Folcher, J-F. Boulicaut: "Application-independent feature construction based on almost-closedness properties". *International Journal on Knowledge and Information Systems. (KaIS)*, Vol.30, N°1, pp.87-111, 2012.

N.Selmaoui-Folcher, F. Flouvat, D. Gay and I. Rouet: "Spatial pattern mining for soil erosion characterization". *International Journal of Agricultural and Environmental Information Systems (IJAEIS)*, Special Issue on Environmental and agricultural data processing for water and territory management, Vol. 2, N°2. pp.73-92, 2011.

International conferences with proceeding and program committee

Z. Cheng, F. Flouvat and N. Selmaoui-Folcher: "Mining recurrent patterns in a dynamic attributed graph". In proceedings of the Pacific-Asia Conference on Knowledge Discovery and Data Mining (PaKDD'17), May 23-26, 2017, Jeju, South Korea, J. Kim et al. (Eds.), Part II, LNAI 10235, pp. 1-13, 2017.

M. Collin, F. Flouvat, N. Selmaoui-Folcher: "PaTSSI: Pattern mining of time series of satellite images in KNIME". Proceedings of the IEEE International Conference on Data Mining (ICDM) 2016 Workshops (Demo paper), Barcelona, Spanish, 12-15th December 2016, pp. 1292-1295, 2016.

N. Gusmawati, Z. Cheng, B. Soulard, H. Lemonnier, N. Selmaoui-Folcher: "Aquaculture Pond Precise Mapping in Petancak Estuary, Bali, Indonesia". Proceedings of the 14th International Coastal Symposium (Book of abstract), 6-11 March 2016, Sydney, Australia, pp.230-231, 2016.

F. Flouvat, J. Sanhes, C. Pasquier, N. Selmaoui-Folcher, J-F. Boulicaut. "Improving pattern discovery relevancy by deriving constraints from expert models". Proc. European Conference on Artificial Intelligence ECAI 2014. August 2014, Praha, Czech Republic, T. Schaub et al. (Eds), regular paper, pp. 327-332, IOS. (Acceptance Rate 28%).

J. Sanhes, F. Flouvat, C. Pasquier, N. Selmaoui-Folcher and J-F. Boulicaut: "Weighted paths as a condensed pattern in a single attributed DAG". In Proceedings of the 23rd International Joint Conference on Artificial Intelligence (IJCAI'13), Beijing, China, August 3-9, pp1642-1648, 2013 (Acceptance rate 28%).

P-N. Mougel, N. Selmaoui-Folcher: "A data mining approach to discover collections of homogeneous regions in satellite image time series". IEEE International Geoscience and Remote Sensing Symposium, Melbourne, Australia, 2013.

R. Andréoli, C. Marchand, N. Selmaoui-Folcher, H. Yézou, C. Tinel and D. Fontannaz: "Monitoring of Pacific islands' environment from the mountain to the coral reefs under mining constraints: case study of the Great South of New Caledonia with Pleiades VHR data". IEEE International Geoscience and Remote Sensing Symposium, Melbourne, Australia, 2013.

C. Pasquier, J. Sanhes, F. Flouvat and N. Selmaoui-Folcher: "Frequent Pattern Mining in Attributed trees". In Proceedings of the 17th Pacific-Asia Conference on Knowledge Discovery and Data Mining PaKDD'13, Gold Coast Australia, LNAI 7818, Vol.2, Springer, pp.26-37, 2013. (Acceptance rate 17%)

H. Alatrística-Salas, J. Azé, S. Bringay, F. Cernesson, F. Flouvat, N. Selmaoui-Folcher, M. Teisseire: "Finding relevant sequences with the least temporal contradiction measure: application to hydrological data". In proceedings of the AGILE2012 International Conference on Geographic Information Science, Avignon, April 24-27, pp197-202, 2012.

H. Alatrística-Salas, S. Bringay, F. Flouvat, N. Selmaoui-Folcher, M. Teisseire: "The Pattern Next Door: Towards Spatio-Sequential Pattern Discovery". In Proceedings of The 16th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PaKDD'12). Kuala Lumpur, Malaysia, 2012. Springer-Verlag LNAI 7302, Vol.2, Springer, pp.154-168, 2012. (Acceptance rate 36%).

E. Desmier, F. Flouvat, B. Stoll and N. Selmaoui-Folcher: "Coconut fields classification using data mining on a large database of high-resolution Ikonos images". In proceeding of the sixth IEEE International Conference on Digital Information Management (ICDIM'11), Melbourne, Australia, pp.48-53, 2011.

E. Desmier, F. Flouvat, D. Gay and N. Selmaoui-Folcher: "A clustering-based visualization of colocation patterns". In Proceedings of 15th International Database Engineering & Applications Symposium (IDEAS'11), Lisbon, Portugal, pp.70-78,

2011. (Acceptance rate 15%)

N. Selmaoui-Folcher, F. Flouvat: "How to use "classical" tree mining algorithms to find complex spatio-temporal patterns?". In Proceedings of 22nd International Conference on Database and Expert Systems Applications (DEXA'11), Toulouse, France, Springer-Heidelberg LNCS 6861, pp.107-117, 2011.

F. Flouvat, N. Selmaoui-Folcher, D. Gay, I. Rouet and C. Grison: "Constrained colocation mining: application to soil erosion characterization". In Proceedings of 25th ACM Symposium on Applied Computing 2010 (ACM SAC'10), Data Mining Track, Sierre, Switzerland, pp.1055-1060, 2010. (Acceptance rate 26%)

N. Selmaoui, T. Quiniou and C. Laporte-Magoni: "Assessment of prediction of weathering degrees for drilling core according to samples color ", Artificial Neural Networks In Engineering (ANNIES'09), St Louis, MO USA, ASME Press., Computational Intelligence in Architecting Complex Engineering Systems, Vol. 19, pp.563-569, 2009.

I. Rouet, D. Gay, M. Allenbach, N. Selmaoui, A-G Ausseil, M. Mangeas, J. Maura, P. Dumas and D. Lille. "Tools for soil erosion mapping and hazard assessment: application to New Caledonia, SW Pacific". In Proceedings of 18th World IMACS/International Congress on Modelling and Simulation (MODSIM'09), Cairns, Australia, pp.1986-1992, 2009.

D. Gay, N. Selmaoui, J-F. Boulicaut: "Application-independent feature construction from noisy samples". In Proceedings of the 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PaKDD'09), Bangkok, Thailand. Springer-Verlag LNAI 5476, pp.965-972, 2009. (Acceptance rate 33%)

L. Cerf, D. Gay, N. Selmaoui, J-F Boulicaut: "A parameter-free associative classification method". In Proceeding of 10th International Conference on Data Warehousing and Knowledge Discovery (DaWaK'08), Torino, Italy, Springer LNCS 5182, pp.293-304, 2008. (Acceptance rate 33%)

D. Gay, N. Selmaoui and J-F. Boulicaut: "Feature construction based on closedness properties is not that simple". Proceedings 12th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PaKDD'08), Osaka, Japan, Springer-Verlag LNAI 5012, pp.112-123, 2008. (Acceptance rate 12%)

N. Selmaoui, I. Rouet and M. Mahot: "Pattern Geomorphologic Analysis for Soil Erosion Study". SPIE Asia-Pacific Remote Sensing, Noumea, New Caledonia, Vol. 7150, 71501L, 2008. 29

I. Rouet, D. Gay, M. Allenbach, N. Selmaoui, J. Maura and D. Lille: "Semi-automatic detection and labeling of erosion areas using domain knowledge. An appraisal from southeast New Caledonia (SW Pacific)". In Proceeding of SPIE Asia-Pacific Remote Sensing, Noumea, New Caledonia, Vol. 7150, 71500V, 2008.

D. Gay, I. Rouet, M. Mangeas, P. Dumas, N. Selmaoui: "Assessment of classification methods for soils erosion risks". International Congress on Modelling and Simulation (MODSIM'07), Christchurch, New Zealand, pp.2659-2665, 2007.

D. Gay, N. Selmaoui, J-F. Boulicaut: "Pattern-based decision tree construction". Proceedings of the second IEEE International Conference on Digital Information Management (ICDIM'07), Lyon, France, Vol.1, pp.291-296, 2007. Best Data Mining Paper Award (Acceptance rate 38%, Best Data Mining Paper Award)

T. Quiniou, N.Selmaoui, C. Laporte-Magoni, M. Allenbach: "Calculation of Bedding Angles Inclination from Drill Core Digital Images". Proceeding of the IAPR Conference on Machine Vision Applications, MVA'07, Tokyo, Japan, pp.252-255, 2007.

N. Selmaoui, C. Leschi, D. Gay, J-F. Boulicaut. Feature Construction and Delta-Free Sets in 0/1 Samples. Proceedings of the 9th International Conference on Discovery Science DS'06, Barcelona, Spain, SpringerVerlag LNAI 4265, pp.363-367, 2006.

N. Selmaoui: "Algorithm for Crest Detection Based on Graph Contraction". In Proceedings of the 2nd Iberian Conference on Pattern Recognition and Image Analysis, IbPRIA'05, Estoril, Portugal, SpringerVerlag Berlin Heidelberg, LNCS N°3523, pp. 303-310, 2005.

National (French) conferences with proceeding and program committee

J. Tokotoko, F. Flouvat, C. Goaran, L. Hedoin, A. Collin , N. Selmaoui-Folcher: ". Proceedings of 18h Conference International on "Extraction et Gestion de Connaissances" (EGC18), 22-26 janvier 2018, RNTI (Revue de Nouvelles Technologies de l'Information). In press.

Z. Cheng, F. Flouvat and N. Selmaoui: "Extraction des évolutions récurrentes dans un graphe dynamique attribué". Proceedings of 17ème Conference on "Extraction et Gestion des Connaissances" (EGC'17), 23-27 janvier 2017, Grenoble, Hermann-Editions, RNTI E-33 (Revue de Nouvelles Technologies de l'Information), pp.106-117, 2017. (Acceptance rate 25.6%)

N. Selmaoui, F. Flouvat, C. Mu, J. Sanhes and J-F Boulicaut: "Extraction complète et efficace de chemins pondérés dans un a-DAG". Proceedings of 15ème Conference on "Extraction et Gestion des Connaissances" (EGC'15), 27-30 janvier 2015, Luxembourg, Hermann-Editions, RNTI E-28 (Revue de Nouvelles Technologies de l'Information), pp.179-190, 2015.

(Acceptance rate 27%)

F. Flouvat, J. Sanhes, C. Pasquier, N. Selmaoui and J-F Boulicaut: "Les modèles experts: une source d'informations pour l'extraction de motifs". Proceedings of 19ème conférence on "Reconnaissance des Formes et l'Intelligence Artificielle" (RFIA'14), 30 juin - 4 juillet 2014, Rouen, France, 6p, 2014.

C. Pasquier, F. Flouvat, J. Sanhes and N. Selmaoui: "Extraction de motifs dans des graphes orientés attribuée en présence d'automorphisme". Proceedings of 14ème Conférence on "Extraction et Gestion des Connaissances" (EGC'14), 28-31 janvier 2014, Rennes, France, Hermann-Editions, RNTI E-26 (Revue de Nouvelles Technologies de l'Information), pp.371-382, 2014. (Acceptance rate 26%)

P-N. Mougel, F. Flouvat and N. Selmaoui: "Approche par motifs pour l'analyse de données multi-résolution". Proceedings of 14ème Conférence on "Extraction et Gestion des Connaissances" (EGC'14), 28-31 janvier 2014, Rennes, France, Hermann-Editions, RNTI E-26 (Revue de Nouvelles Technologies de l'Information), pp.401-406, 2014. (Acceptance rate 24%).

H. Alatrística Salas, S. Bringay, F. Flouvat, N. Selmaoui, M. Teisseire. "S2PViewer: un prototype de visualisation de motifs spatio-temporels". In Proceedings of Spatial Analysis and GEomatics 2009 (SAGEO'2013), Brest, France, September 2013, pp.335-346.

C. Pasquier, J. Sanhes, F. Flouvat, N. Selmaoui-Folcher: "Extraction de motifs fréquents dans des arbres attribués". Proceedings of 13ème Conférence on "Extraction et la Gestion des Connaissances" (EGC'13). 29 janvier - 01 février 2013, Toulouse, France. Best academic paper award (Acceptance rate 26%).

J. Sanhes, F. Flouvat, C. Pasquier, N. Selmaoui-Folcher, J-F. Boulicaut: "Extraction de motifs condensés dans un seul graphe orienté acyclique attribué". Proceedings of 13ème Conférence on "Extraction et la Gestion des Connaissances" (EGC'13). 29 janvier-01 février 2013, Toulouse, France. (Acceptance rate 26%)

H. Alatrística-Salas, S. Bringay, F. Flouvat, N.Selmaoui-Folcher, M. Teisseire: "Vers une approche efficace d'extraction de motifs spatio-séquentiels". Proceedings of 12ème Conférence on "Extraction et Gestion des Connaissances" (EGC'12), Bordeaux, France, Hermann-Editions, RNTI E-23 (Revue de Nouvelles Technologies de l'Information), pp. 201-212, 2012. (Acceptance rate 25%).

L. Mabit, N. Selmaoui-Folcher and F. Flouvat: "Modélisation de la dynamique de phénomènes spatio-temporels par des séquences de motifs", Proceedings of 11ème conférence on "Extraction et Gestion des Connaissances" (EGC'11), Brest, France, Hermann-Editions, RNTI-E20, pp.455-466, 2011. (Acceptance rate 26%)

D. Gay, L. Cerf, N. Selmaoui, J-F. Boulicaut: "Un nouveau cadre de travail pour la classification associative dans les données aux classes disproportionnées". Proceedings of 17ème Rencontres de la Société Francophone de Classification (SFC'10), Saint Denis de la Réunion (F), pp.47-50, 2010.

F. Flouvat, N. Selmaoui-Folcher and D. Gay: "Vers une extraction et une visualisation des co-localisations adaptées aux experts". Proceedings of 10ème conférence on "Extraction et Gestion des Connaissances (EGC'10), Cepadus-Editions, RNTI-E19, Hammamet, Tunisie, pp.441-452, 2010. (Acceptance rate 23%)

N. Selmaoui-Folcher, F. Flouvat, C. Grison, I. Rouet and D. Gay: "Découverte de co-localisations dans un SIG: extension et application à l'étude de l'érosion en Nouvelle-Calédonie". In Proceedings of Spatial Analysis and GEomatics, (SAGEO'09), Paris, France, 15 pages, 2009.

N. Selmaoui, D. Gay, J-F. Boulicaut: "Construction de descripteurs pour classer à partir d'exemples bruités". Proceedings of 9ème journées francophones d'Extraction et Gestion de Connaissances EGC'09, Strasbourg, France, Cepadues-Editions, RNTI-E-15, pp.91-102, 2009. (Acceptance rate 20%)

Workshop organization with Proceeding

N. Selmaoui-Folcher, C. Rigotti and F. Flouvat: "Fouille de données spatio-temporels et applications". Proceeding of Workshop FOSTA In conjunction with EGC'13, 29- janvier-1 février, Toulouse, France, 39p, 2013.

OTHER ACTIVITIES

Head of PPME Laboratory EA 3325 (since 2012), deputy director of ERIM laboratory EA 3791 (2005-2007)

PC member for many top ranking International Conferences (ECML/PKDD2014, ISMIS, DEXA, ...), reviewer for Journals (Knowledge Based System, RIG, International Journal of Geo-Information, International Journal of Information Sciences, ...), organization of workshops, supervisor and co-supervisor for many master degrees and PhD students.

Elected member of scientific assembly of New Caledonia University (2005-2011), Elected member of administration assembly of New Caledonia University (2007-2009)