

## Liste des publications de Richard Olejnik

### Livres, chapitres d'ouvrages, éditions d'ouvrages

- R. Olejnik, Special section: Grid-like distributed in amorphous networks, Future Generation Computer System (FGCS) - The International Journal of Grid Computing: Theory, methods and Applications, R. Olejnik Ed, Vol 23, issue 8, Springer Verlag, November 2007
- M. Drozdowicz, M. Ganzha, M. Paprzycki, R. Olejnik, I. Lirkov, P. Telegin, M. Senobari, "Ontologies, Agents and the Grid: An Overview", in B.H.V. Topping, P. Iványi, (Editors), "Parallel, Distributed and Grid Computing for Engineering", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 7, pp 117-140, 2009. ISBN 978-1-874672-41-8
- M. Senobari, M. Drozdowicz, M. Ganzha, M. Paprzycki, R. Olejnik, I. Lirkov, P. Telegin, N.M. Charkari, "Resource Management in Grids: Overview and a discussion of a possible approach for an Agent-Based Middleware", in B.H.V. Topping, P. Iványi, (Editors), "Parallel, Distributed and Grid Computing for Engineering", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 8, pp 141-164, 2009, , ISBN 978-1-874672-41-8
- M. Drozdowicz, K. Wasielewska, M. Ganzha, M. Paprzycki, N. Attaoui, I. Lirkov, R. Olejnik, D. Petcu, C. Badica, "Ontology for Contract Negotiations in an Agent-based Grid Resource Management System", in P. Iványi, B.H.V. Topping, (Editors), "Trends in Parallel, Distributed, Grid and Cloud Computing for Engineering", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 15, pp 335-354, 2011, ISSN 1759-3158
- K. Wasielewska, M. Ganzha, M. Paprzycki, M. Drozdowicz, D. Petcu, C. Badica, N. Attaoui, I. Lirkov, R. Olejnik, "Negotiations in an Agent-based Grid Resource Brokering System", in P. Iványi, B.H.V. Topping, (Editors), "Trends in Parallel, Distributed, Grid and Cloud Computing for Engineering", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 16, pp 355-374, 2011, ISSN 1759-3158

### Reuves d'audience internationale avec comité de lecture

- A. Bouchi, R. Olejnik and B. Toursel, Java tools for measurement of the machine loads. In Advanced Environments Tool and Applications for Cluster Computing, LNCS of Springer Verlag 2326, pp 271–278, September 2001
- V. Felea, R. Olejnik and B. Toursel. ADAJ: a Java Distributed Environment for Easy Programming Design and Efficient Execution, Schedae Informaticae, Vol 13, pp 9–36, UJ Press, 2004
- E. Laskowski, M. Tudruj, R. Olejnik, B. Toursel, Java programs optimization based on the most-often-used-paths approach, LNCS 3911, Springer/Heidelberg, pp 944-951, 2006
- E. Laskowski, M. Tudruj, R. Olejnik, B. Toursel, Bytecode Scheduling of Java Programs with Branches for Desktop Grid, Future Generation Computer System (FGCS) – The International Journal of Grid Computing: Theory, methods and Applications, R. Olejnik Ed, Vol 23, issue 8, Springer Verlag, November 2007, pp. 977-982

- R. Olejnik, B. Toursel, M. Ganzha, M. Paprzycki, Combining Software Agents and Grid Middleware, in *Advanced in Grid and Pervasive Computing*, C. Cerin and K.-C Li Editors, LNCS 4459, pp 678-685, Springer Verlag, Berlin, Heidelberg, 2007
- M. Drozdowicz, M. Ganzha, W. Kuranowski, M. Paprzycki, I. Alshabani, R. Olejnik, M. Taifour, M. Senobari, I. Lirkov, Software Agents in ADAJ: Load Balancing in a Distributed Environment, in: M. Todorov (ed.), *Applications of Mathematics in Engineering and Economics'34*, American Institute of Physics, College Park, MD, December 2008, 527-540
- R. Olejnik, F. Fortis, B. Toursel, Webservices Oriented Datamining in Knowledge Architecture, *Future Generation Computer System (FGCS) – The International Journal of Grid Computing: Theory, methods and Applications*, Vol 25, April 2009, Elsevier Science Publishers B. V., pp 436-444
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- Maria Ganzha, Marcin Paprzycki, Michal Drozdowicz, Mehrdad Senobari, Ivan Lirkov, Sofiya Ivanovska, Richard Olejnik and Pavel Telegin, Mirroring information within an agent-team-based intelligent Grid middleware; an overview and directions for system development, *Scalable Computing: Practice and Experience Journal*, pp 397–411, Vol 10, no. 4, December 2009
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- I. De Falco I, E. Laskowski, R. Olejnik, U. Scafuri, E. Tarantino, M. Tudruj, "Extremal Optimization Approach Applied to Initial Mapping of Distributed Java Programs". *Euro-Par 2010*, LNCS Vol. 627, 1 Springer-Verlag Berlin Heidelberg, pp. 180-191, 2010.
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- A. Bouchi, B. Toursel and Olejnik, R. An observation mechanism of distributed objects in Java. 10th EuromicroWorkshop on Parallel Distributed and Network–Based Processing. Las Palmas de Gran Canaria, Spain January 2002.
- A. Bouchi, R. Olejnik and B. Toursel. A new estimation method for distributed Java object activity. 16th International Parallel and Distributed Processing Symposium. Marriott Marina, Fort Lauderdale, Florida. April 2002.
- R. Olejnik, A. Bouchi and B. Toursel. A java object policy for load balancing. PDPTA : The international Conference on Parallel and Distributed Processing Techniques and Applications. Vol. 2 pp : 816–821. Las Vegas, USA, June 2002.

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- G. Paroux, B. Tournel, R. Olejnik and V. Felea, A Java CPU calibration tool for load balancing in distributed applications. ISPDC'2004 : The 3rd IEEE ISPDC, Cork, Ireland, , July 5th – 7th 2004
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- R. Olejnik, E. Laskowski, B. Tournel, M. Tudruj et I. Alshabani, DG-ADAJ: a Java Computing Platform for Desktop Grid, "Cracow Grid Workshop '05 Proceedings", Editors: Marian Bubak, Michal Turala, Kazimierz Wiatr, Published by Academic Computer Centre CYFRONET AGH, Cracow, Poland, April 2006
- Iyad Alshabani, R. Olejnik and B. Tournel. A Framework for Desktop GRID Applications: CCADAJ, ICCTA'06, Damascus, Syria, April 2006
- V. Fiolet, G. Lefait, R. Olejnik, B. Tournel : « Optimal Grid Exploitation Algorithms for Data Mining». In Proceedings of International Symposium on Parallel and Distributed Computing (ISPDC 06), IEEE Computer Society, ISBN: 0-7695-2638-1, pages 246-252, Romania, July 2006
- V. Fiolet, E. Laskowski, R. Olejnik, L. Masko, B. Tournel, M. Tudruj : « Optimizing Distributed Data Mining Applications Based on Object Clustering Methods». In Proceedings of International Symposium on Parallel Computing in Electrical Engineering (Parelec 06), IEEE Computer Society, ISBN: 0-7695-2554-7, pages 257-262, Poland, september 2006
- R. Olejnik, B. Tournel, M. Ganzha, M Paprzycki, Utilizing Ressource Brokering Agents in Grid-Bases Data Mining, WP in Euromicro PDP 2007, Napoli, Italia, February 2007

- S. Venticinque, B. Di Martino, R.Aversa, R. Olejnik, B. Toursel, I. Alshabani, Integrating Distributed Component and Mobile Agents programming models in Grid Computing. 6th International Symposium on Parallel and Distributed Computing, ISPDC07, Hagenberg, Austria, July 5-8, 2007.
- V. Fiolet, R. Olejnik, B. Toursel, E. Laskowski, Marek Tudruj, Data Mining on Desktop Grid Platforms, 7th International Conference on Parallel Processing and Applied Mathematics PPAM 2007 Gdansk, Poland, September 9-12, 2007
- M. Drozdowicz, M.Ganzha, W. Kuranowski, M.Paprzycki, I. Alshabani, R. Olejnik, M. Taifour, B. Toursel, M. Senobari, I. Lirkov, Software Agents in ADAJ: Load Balancing in a Distributed Environment, 34th Conference on Applications of Mathematics in Engineering and Economics (AMEE '08), Sozopol, Bulgaria., 8-14 June, AIP Conference Proceedings, Volume 1067, pp. 527-540, 2008.
- M. Senobari, R. Olejnik, M. Drozdowicz, M. Paprzycki, W. Kuranowski, Maria Ganzha,, I. Lirkov, Combining an JADE-agent-based Grid infrastructure with the Globus middleware—Initial Solution, in: M. Mohammadian (ed.), Proceedings of the CIMCA-IAWITC 2008 Conference, IEEE CS Press, Los Alamitos, CA, 2008, 890-895
- R. Olejnik, I. Alshabani, B Toursel, E. Laskowski, M. Tudruj, Load balancing in the SOAJA web service platform, IEEE International Multiconference on Computer Science and Information Technology (IMCSIT), Wisla, Poland, 20-22 October, 2008.
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- M. Drozdowicz, M. Ganzha, M. Paprzycki, K. Wasielewska, I. Lirkov, R. Olejnik, N. Attaoui, Utilization of Modified CoreGRID Ontology in an Agent-based Grid Resource Management System, Proceedings of the CATA 2010 Conference
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- I. de Falco, E. Laskowski, R. Olejnik, U Scafuri, E. Tarantino, M. Tudruj, B. Toursel, Extremal Optimization Approach Applied to Initial Mapping of Distributed Java Programs, Europar Conference, Ischia, Naples, Italy, August 31<sup>st</sup> –September 3<sup>rd</sup> 2010

### **Exposés dans des congrès, colloques et symposium**

- R. Olejnik, Position paper: Grid Computing with Java, IST Call 5 Preparatory Workshop on “Advanced Grid Technologies Systems & Services”, European Commission, Directorate-General Information Society and Media, Brussels, 31 January – 1 February 2005.
- R. Olejnik, A Desktop Grid-Adaptative Application in Java, Workshop on Network Centric Operating Systems organized by CoreGrid, Network of Excellence of European Commission, Directorate-General Information Society and Media, Brussels, 16-17 March 2005.
- R. Olejnik, Datamining haute performance sur Grille, Groupe de Travail du GDR I3, GT Sphère , 2-3 Février 2006, Grenoble, France.
- R. Olejnik, Une plateforme de Calcul Java pour Grille d’ordinateurs, Groupe de Travail ADAPT, GDR ARP, ENST, Paris, 6 Avril 2006.
- R. Olejnik, A middleware infrastructure for Grid-based Data Mining, ICT Challenge 1: Pervasive and Trusted Network and Service Infrastructures, Objective 1.2: 'Service and software architectures, infrastructures and engineering', Brussels, Février 2007

### **Colloque national avec Comité de lecture :**

- A. Bouchi, R. Olejnik and P. Lecouffé. Un mécanisme d'observation de la charge des machines en Java. RenPar : French Conference on Parallel Architectures and Systems. Vol. 13 pp: 103-108. Paris France, Avril 2001.

### **Co-encadrant des thèses :**

- Amer Bouchi, Proposition d’un mécanisme d’observation dynamique de l’exécution d’applications Java Distribuées, Thèse de Doctorat en Informatique, Lille, Janvier 2003
- Iyad Alshabani, Composants logiciels distribués et parallèles en Java (Décembre 2006)
- Valérie Fiolet, Algorithmes distribués d’extraction de connaissance (Novembre 2006)