

Prof. Alexandre DOLGUI

PUBLICATIONS

Dr. Alexandre Dolgui is a Distinguished Professor (Full Professor of Exceptional Class in France) and the Head of Automation, Production and Computer Sciences Department at the Ecole des Mines de Nantes, France. His research focuses on manufacturing line design, production planning and supply chain optimization. His main results are based on the exact mathematical programming methods and their intelligent coupling with heuristics and metaheuristics algorithms. He is the co-author of **5** books, the co-editor of **16** books or conference proceedings, the author of **192** refereed journal papers, **23** editorials and **28** book chapters as well as over **370** papers in conference proceedings. He is the *Editor-in-Chief* of the International Journal of Production Research, an *Area Editor* of Computers & Industrial Engineering, and an *Associate Editor* of Journal Européen des Systèmes Automatisés, past Associate Editor of International Journal of Systems Science (2005-2008), IEEE Transactions on Industrial Informatics (2006-2009) and Omega-the International Journal of Management Science (2009-2012), consulting Editor of the International Journal of Systems Science (2009-). He is *Member of the Editorial Boards* for **23** other journals, including the International Journal of Production Economics, International Journal of Manufacturing Technology & Management, International Journal of Simulation & Process Modelling, International Journal of Engineering Management & Economics, Journal of Decision Systems, Journal of Mathematical Modelling & Algorithms, Journal of Operations and Logistics, Journal of Industrial Engineering and Management & Production Engineering Review, Decision Making in Manufacturing and Service, Risk and Decision Analysis, etc. *Fellow of the European Academy for Industrial Management*, *Member of the Board of the International Foundation for Production Research*, *Chair of IFAC TC 5.2 Manufacturing Modelling for Management and Control*, *Member of IFIP WG 5.7 Advances in Production Management Systems*, *IEEE System Council Analytics and Risk Technical Committee*, Guest editor of special issues of European Journal of Operational Research, International Journal of Production Research, International Journal of Production Economics, Omega – The International Journal of Management Science, Journal of Intelligent Manufacturing, Journal of Mathematical Modeling and Algorithms, and Annual Reviews in Control; he was General Scientific Chair of the 12th IFAC symposium INCOM'06, Chairman of International Program Committee of SCM'02, MOSIM'04, INCOM'09, INCOM'12, IESM'13, MIM'13, INCOM'15, IESM'17, MIM'19 and Chairman of Steering committee of MIM'16. Chairman of Organizing Committee of the International Conference MOSIM'01 and ROADEF'2011; last ten years, he was Member of Program Committees of over **190** International Conferences, etc. He has been responsible of the French national CNRS working group on Design of Production Systems (with about **336** individual members) and the regional project on Design and Management of Reconfigurable Manufacturing Systems.

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270. **A. Dolgui**. Line design and balancing problems in machining environment, *Workshop "ALBP 60 years later: State-of-the-art and Future developments roadmap"*, Toulouse, France, November 5th -6th, 2015, Book of Abstracts, p. 9. ([Invited plenary talk](#)).
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280. **A. Dolgui, J.-M. Proth.** Assembly Line Balancing: Conventional Methods and Extensions. *Proceedings of the IFAC Conference on Manufacturing Modelling, Management and Control (MIM'2013)*, St Petersburg, Russia, June 19-21, 2013, N. Bakhtadze, K. Chernyshov, A. Dolgui, V. Lototsky (Eds.), Elsevier Science, 2013, IFAC-PapersOnline.net (ISSN 1474-6670), p. 43–48. (*Invited plenary talk*).
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INVITED SEMINARS AND COMMUNICATIONS

803. **A. Dolgui**. Panel Session "How can enterprise modelling and simulation methods help in implementing and managing the support and service processes required for the new paradigm of Digital Manufacturing" at 8th IFAC conference on Manufacturing Modelling for Management and Control (MIM'2016), June 27-30, 2016, Troyes, France, Animation: Prof. Dr. Xavier Boucher, Ecole des Mines de Saint Etienne, France
804. **A. Dolgui** Panel Session at 9th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2012) in Rome, Italy, July 28 – 31, 2012, Animation: Prof. Kurosh Madani, University of Paris-EST Créteil (UPEC), France
805. **A. Dolgui**. Panel Session at 7th International Conference on Operations Research and Entreprise Systems (ICORES 2016) in Rome, Italy, February 23 – 25, 2016, Animation: Prof. Dominique de Werra, Ecole Polytechnique Fédérale de Lausanne, Switzerland

806. **A. Dolgui.** Industrie 4.0 – concepts, état de notre recherche et perspectives, Colloque IMT « *Usine du Future* », 26 novembre 2015, Paris, Institut Mines-Télécom (*présentation des résultats du groupe de travail GT3 miroir Automatique, Transitiq, Robotique*)
807. **A. Dolgui.** Optimization techniques for MRP parametrization under lead time uncertainties, School of Management and Economics, Beijing Institute of Technology, September 9, 2015 (*Invited talk*)
808. **A. Dolgui.** Optimisation en conception des lignes d'usinage, Lab. CIRRELT, Québec, Université Laval, ville de Québec, Canada, 18 juin 2014. (*Séminaire invité*).
809. **A. Dolgui.** The International Journal of Production Research: current policy and perspectives, China, Hefei University of Technology, July 3, 2014. (*Invited talk*).
810. **A. Dolgui.** Modélisation et optimisation des systèmes industriels, Colloque IMT « *Grande échelle et complexité* », 26 et 27 mars 2014, Paris, Institut Mines-Télécom. (*Conférence invitée*).
811. **A. Dolgui.** Assembly Line Balancing: Applications in Machining Environments, *University of Sciences and Technologies of Chine*, Hefei, China, 21 November 2013. (*Invited talk*).
812. **A. Dolgui.** The International Journal of Production Research, *22nd International Conference on Production Research (ICPR-22)*, July 28 - August 3, Brazil, 2013. (*Invited talk*).
813. **A. Dolgui.** Speech when Appointed as a Fellow of the European Academy for Industrial Management, *Advances in Sustainable Production Conference (AIM 2013)*, 19-22 September 2013, Split, Croatia.
814. **A. Dolgui, M. Barth.** Présentation du groupe de travail « Conception des systèmes de production ». 3èmes Journées Nationales MACS, JN-MACS-2009 du CNRS, 16-18 mars 2009, Angers, J. Zaytoon, P. Ladet (Eds.), p. 45-48. (in French)
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816. **A. Dolgui.** Conception et planification des lignes d'assemblage, EPFL, Lausanne, Suisse, 2003. (*Séminaire invité*).

TALKS IN WORKING GROUPS

817. **A. Dolgui.** Optimisation de flux et planification des chaînes de production, *Pôle de compétitivité PASCA et EMC2*, le 3 mars 2016, Saint-Nazaire
818. **A. Dolgui.** Configuration et reconfiguration des lignes d'usinage pour l'industrie automobile, *Pôle de compétitivité EMC2 et ID4car, journée « Quel futur pour le manufacturing automobile ? »*, Nantes, Ecole des Mines, le 13 janvier 2016
819. M.K.K. Habibi, O. Battaïa, V.-D. Cung, **A. Dolgui**, La coordination de la collecte des produits en fin de vie et de leurs désassemblages dans les chaînes logistiques inversées. *La 20ème journée du pôle STP (Sciences et Techniques de la Production) du GdR MaCS (Groupe de Recherche du CNRS en Modélisation, Analyse et Conduite des Systèmes dynamiques)*, 5 février 2015, Troyes, France
820. **A. Dolgui.** Affectation optimale des opérateurs aux postes de travail dans une ligne de montage dans l'industrie automobile, *19èmes journées STP du GdR MACS*, Arts et Métiers ParisTech, 3 et 4 avril 2014.
821. **A. Dolgui, M. C. Portmann, J. M. Proth.** Plannification des systèmes d'assemblage multi-produits avec approvisionnement aléatoire, *groupe GOTHa (ordonancement théorique et appliqué)*, Univ. Paris 6, 1995.
822. GDR MACS (2003 – 2013), one or two presentations an year.
823. Bermudes (1994 – 2003), one presentation per year.
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