

Surname: Cheikhrouhou

Name: Naoufel

Born on July, 22nd 1971

Swiss nationality

Married, 2 children



Affiliation

Geneva School of Business Administration
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Google Scholar page: <https://scholar.google.ch/citations?user=Bn56jbEAAAAJ&hl=fr>

Education

- 2001 Grenoble Institute of Technology (INPG), Ph.D. in Industrial Engineering
Topic: Contribution of Perturbation Analysis in the design and control of production systems
- 1996 Grenoble Institute of Technology (INPG), DEA in Industrial Engineering
Topic: Modelling project planning using object oriented Petri nets
- 1995 National Engineering School of Tunis, Industrial Engineering Diploma
Topic: Development and implementation of balanced score cards for decision making

Professional experience

- Oct. 2014- Present **Professor** of Supply Chain, Logistics and Operations Management at the University of Applied Sciences Western Switzerland, Geneva.
- Sept. 01-Dec. 14 **Head of the Operations and Supply Chain Management team** at the Laboratory for Production Management and Processes, Swiss Federal Institute of Technology at Lausanne (EPFL). Development and fund raising for research projects, teaching at different levels, supervision of student projects, development of industrial and international collaborations, participation to development of academic programmes.
- 2011-2012 **Consultant** for the European commission. Evaluation of projects submitted to the call Factories of the Future.
- Oct. 99-Aug. 01 **Research and Teaching Associate** at the 'Institut Français de Mécanique Avancée', Clermont-Ferrand, France -Teaching information systems, computer sciences, production management and performance evaluation of production

systems- Research on performance evaluation of manufacturing networks in uncertain environments.

Oct. 96- Dec. 00	Research assistant and Ph.D. candidate at the Automatic Control Laboratory of Grenoble, Grenoble Institute of Technology (INPG), France
Oct. 96-June 99	Professor of Computer Sciences at the University of Savoie, France.
Dec. 95-June 96	Research assistant at ‘Institut de Production Industrielle’, Grenoble, France - Development of a technique to adapt the admissibility margin to a manufacturing system control tool based on object-oriented Petri Nets.
Feb. 95-June 95	Production Engineer at the company of chocolate manufacturing and confectionery - Diagnosis of the production system and development of a multilevel computer-aided decision making balanced scorecard.
Dec. 94-Feb. 95	Service and production Engineer at Abou Nawas hotels, Tunis, Tunisia - Design of information system for booking services.
July 94-Sept. 94	Production Engineer at the ‘Heinz-Nixdorf institute’ of the University of Paderborn, Germany - Development of interfaces to retrieve and combine data from databases under Lotus Notes groupware.
Feb. 94-June 94	Production Engineer at the ‘Société Nationale de Transport’, Tunis - Technical diagnosis and reorganization of bus maintenance workshops.
July 93-Aug. 93	Process Engineer at the ‘Société industrielle de construction automobile’, Tunis - Solving the bin-packing problem.
July 92-Aug. 92	Engineer at ‘Techniques du moteur’, Tunis- Analysis and optimisation of valve production processes.

Invited professor positions

May 2012	Invited Professor of Industrial Engineering- Institut National des Sciences Appliquées Lyon (Ranked 3 rd among top French Engineering schools), France.
Dec. 11 – Feb. 12	Invited Professor of production and operations management - Indian Institute of Technology Gandhinagar, Ahmedabad-Gujarat, India.
June 2011	Invited Professor – University of Sheffield, Sheffield, UK

Awards and distinctions

- Board member and President of the Romandy Committee of the National Thematic Network on Logistics ‘Verein Logistik Netzwerk (VNL)’ (2014-Present)
- *BG-Ingénieurs conseil Award* for the best Master project (Recipient M. Dimitri Weideli, joint work with Prof. Edgar Blanco, Massachusetts Institute of Technology), 2013
- Nominated for the best paper award in the journal ‘Production Planning & Control’ (Talyor and Francis): Marmier F., Cheikhrouhou N. 2010. Structuring and integrating human knowledge in demand forecasting: a judgmental adjustment approach, *Production Planning and Control*, 21(4), 399-412, 2011
- Nomination of five papers published in the special issue on ‘Human and organisational factors in planning and control’ organized by N. Cheikhrouhou and F. Marmier from seven papers selected for the best paper award in *Production Planning & Control*, 2011
- Listed in *Marquis Who’s Who in Science and Engineering*, 2009
- 2nd prize for the best teacher in Mechanical Engineering section-EPFL, 2009
- Nomination of the paper ‘Pépiot G., Cheikhrouhou N., Furbringer J-M. and Glardon R., A fuzzy approach for the valorisation of the competences, CD-ROM. of IESM, Marrakech, ISBN 2-9600532-0-6, May 16-19, 2005’ for the best paper award with two other papers selected, 2005

- *EPFL Award* for Research and Education achievements, 2004, 2002
- *Burbidge Award* for the best research work, awarded from the International Federation on Information Processing, 2003
- Excellence research grant for the preparation of a PhD in Industrial Engineering, Tunisian ministry of higher education, 1996-2000
- Excellence research grant for the preparation of DEA in Industrial Engineering, Tunisian ministry of higher education, 1995-1996
- Research Scholarship, German Academic Exchange Services (DAAD) (2 months), 1993

Research interests

- Behavioural supply chain management
In enterprise networks, the complexity of inventory management and operations planning increases in a considerable manner if behavioural Operations are considered as levers of action. The design of experimental procedures can identify the different behavioural factors affecting the performances of inventory managers and the dynamics of the interactions between the network's echelons. Assessment of the interactions' attributes and analytical modelling of the network dynamics are consequently of a high interest.
- Modelling, architecture and simulation of enterprises and enterprise networks
Research works in enterprise and enterprise networks modelling do not consider the human actor features and lack addressing the uncertainty with its different facets. The challenge addressed consists of developing multi-scale multi-level models for enterprise networks taking into account human competences and behaviours, information and interaction typologies (such as trust and knowledge sharing) for different contexts such as horizontal or vertical collaborative networked organisations or decentralized supply chains. Identifying the key parameters using simulation would lead to a better design, management and control of enterprise networks.
- Hybrid approaches for supply chain demand forecasting
A critical problem related to the capabilities of computer-supported systems in dealing with Big data and unstructured information in sales and operations planning comes from the mismatch between the tasks allocated to the computers and to the humans. The challenges faced in this topic are linked to the development of approaches to model the dynamic interaction between the human perception and the computer-supported and statistical forecasting models from the business analytics perspective.

Teaching

(Students' evaluations of the last 4 years available under request)

Executive level

- *Forecasting models and tools*, Executive/post-graduate course, International Institute for the Management of Logistics, given twice, 20 participants, (in English) 2014- present.
- *From operations to decisions*, Executive MBA, HEG, 20 participants, (in French) 2014-present.
- *Industrial Production Systems*, Executive/post-graduate course, International Institute for the Management of Logistics, given 8 semesters, 30 participants, (in English) 2001-2009.
- *Production management – 'Challenges in Logistics'*, Executive course, International Institute for the Management of Logistics, given 18 semesters, 20 participants, (in French) 2001-2010.

PhD level

- Planning and control in manufacturing networks under uncertainties, EPFL, given 2 semesters, 5-10 students, (in English) 2003- 2010.

Master level

- Service Design and Engineering, 6 Credits, 20 students, HEG, 2015-present
- Design, modelling and simulation of production systems/ Advanced Statistics, 5 Credits, given five semesters, 30-40 students, EPFL (in French) 2010 – 2014.
- Modelling and simulation of production systems, 2 Credits, given 9 semesters, 7-25 students, EPFL, (in French) 2001-2009.
- Information systems, given once, 30 students, INSA Lyon (in French) 2012.
- Production management, given once, 33 students, 2 credits, EPFL (in French) 2004.

Bachelor level

- Supply chain 1, 2 Credits, given 4 times, HEG, 2014-present.
- Supply chain 2, 2 Credits, given 5 times, HEG, 2014-present.
- Manufacturing and Healthcare Logistics, 4 Credits, HEG, 2016- present.
- Project Management in Design of Mechanical systems, EPFL, given two semesters, 150 students, (in French) 2013 -2014
- Design, modelling and simulation of production systems, Indian Institute of Technology Gandhinagar, given once, 27 students, (in English) 2012.
- Control of production systems - ENSIE Grenoble, given four semesters, 40 students, (in French) 1996-1999.
- Algorithms development and Pascal language - University of Savoie, given 8 semesters, 40 students, (in French) 1996-1999.
- Spreadsheet programs and Databases - University of Savoie, given 8 semesters, 40 students, (in French) 1996-1999.
- Combinatory and sequential logic - ENSIE Grenoble, given 8 semesters, 40 students, (in French) 1996-1999.
- Grafcet - ENSIE Grenoble, given 8 semesters, 40 students, (in French) 1996-1999.

Bachelor level (all at Institut Français de Mécanique Avancée, 40 students, given twice, in French, 1999-2001):

- Operations Research
- Production management and scheduling
- Mathematics (complex functions, Fourier series, Laplace transformation, etc.)
- Numerical Analysis (algebra matrix, decomposition techniques, resolution of linear and nonlinear equations)
- Methodology of system design and analysis
- Design of Information Systems and databases
- Object Oriented modelling and programming in C++
- Optimisation and scheduling techniques using C and C++ languages
- Graph theory: transportation and allocation problems
- Performance evaluation of production systems
- Electronics and Automatic control

Academic services

Editorial

- Associate Editor of IET Collaborative Intelligent Manufacturing (2018-Present)
- Field Chief Editor of *Statistics, Optimization and Information Computing* (2012 - Present)
- Editorial board member of *Intelligent Control and Automation* (2012 - Present)
- Editorial board member of *Annals of Management Science* (2011- Present)
- Editorial board member of *International Journal of Applied Logistics* (2009 - Present)
- Guest editor for a special issue on 'Human and organisational factors in planning and control' in *Production Planning and Control* (2010)

Journal referee

- Supply Chain Forum: an International Journal
- Applied mathematical Modelling
- Computers and Industrial Engineering
- Computers and Operations Research
- European Journal of Operational Research
- International Journal of Production Economics
- International Journal of Computer-Integrated Manufacturing
- International Journal of Production Research
- International Journal of Human Factors Modelling and Simulation
- International Journal of Applied Logistics
- Journal of Intelligent Manufacturing
- Journal of Universal Computer Science
- Maritime Economics & Logistics
- Omega
- Production Planning and Control
- Production and Operations Management
- Measurement

Conference Committees

- International Program Committee and organisation committee member, GISEH' 2018
- International Program Committee, CODIT' 2017
- International Program Committee, Industrial Simulation Conference, 2005- Present
- International Program Committee, European Simulation Conference, 2005- Present
- International Program Committee, MESM conference, 2005- Present
- International Program Committee, IEEE International Conference on Computer Supported Cooperative Work in Design, 2009-Present
- International Program Committee of the International Conference on Intelligent Systems and Applications, 2011- Present
- International Conference on Logistics and Supply Chain Management Systems, 2011-Present
- International Program Committee Pro-VE, 2013 - Present
- International Program Committee "International Work-Conference on Time Series", 2014-Present
- International Program Committee LOGISTIQUA'13- Present
- International Program Committee, CoDIT 2014-Present

- International Program Committee, ROIS'13
- International Program Committee, ROADEF 2015
- International Program Committee, Computers and Industrial Engineering Conference, 2009- 2014
- International Program Committee, International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH 2011- 2014
- International Program Committee Int'l Conf. on Robotics and Automation, 2014
- International Program Committee, IPROMS'13
- International Program Committee, ICALT'13
- International Program Committee, ROIS'13
- Program Committee, OntoFlow'11
- International Program Committee, 43rd Annual Convention of Operations Research Society of India & International Conference on Operations research for urban and rural development, 2010

Conference Reviewer

- Regular reviewer for several international conferences ESM, MESM, ISC, MOSIM, IESM, GI, CIE, TCME...

Service for University

- Member and executive board member (elected) of the teaching council, EPFL 2007-2013
- Faculty council member of the Engineering school, EPFL, 2011-2012
- Member of the recruitment committee, Institut Français de Mécanique Avancée, 1999-2001

Expertise for research funding agencies

- Evaluator of research proposals for the French National Research Agency (2014- Present)
- Evaluator of research proposals for the French Scientific council INSA (2013- Present)
- Evaluator of research proposals for the Georgian science foundation, (2010-Present)
- Rapporteur for the European Commission in the programme Information and Communication Technologies – Factories of the Future, FP7 (2010-2011)
- Expert for the European Commission:
 - Expert for the EU project Tams4CPS (2015)
 - Expert for the EU Road4FAME project (2014-2015)
 - Member of the Collaborative networks taskforce in the Future of Internet programme (2011-Present)
 - Member of the Steering committee of the EU EYE project (2013- Present)
 - Member of the Steering committee of the EU e-Vikings II project (2002-2005)
 - Expert for the e-business and the Single Business Market project (2005)

Invited talks/keynotes

Conference Keynote

- Plenary keynote speaker at the 11th conference on Logistics *Logistiqua*, April 26-27, 2018, Tangier, Morocco.
- Plenary keynote speaker at the Pharma Supply and Logistics Innovation Programme, June 6-7, 2016 Hamburg, Germany
- Plenary keynote speaker at the 7th International Conference on Logistics and Transport, University of Lyon II, November 19, 2015, Bron, France.

- Plenary keynote speaker at the Workshop Configuration and organisation of supply chains taking into account risks and uncertainties, May 29-31, 2013, Lyon, France.
- Plenary Keynote speaker at The 15th IEEE International Conference on Computer Supported Cooperative Work in Design, June 8-10, 2011, Lausanne, Switzerland.
- Session Keynote speaker at the International Conference on Advances in supply chain and manufacturing management, Kharagpur, India, December 16-18, 2011.
- Plenary Keynote speaker at the 43rd International Conference on operations research for urban and rural development, Madurai, India, December 15-17, 2010.
- Plenary Opening talk at the 1st conference on Human and Organisational Factors in Planning and Scheduling, Lausanne, Switzerland, September 8-9, 2008.

Invited talks

- Technology in Lean and Smart Supply chain, Swiss Association of Logistics Networks, Kugler Bimetal, Meyrin, Sept. 11, 2019.
- Demand planning in Pharmaceutical Supply chain, Geneva School of Business Administration, Sept. 23, 2016.
- ‘From subcontracting to logistics platforms: Shaping the future of Industry 4.0’, EPHJ Fair, Palexpo Geneva, June 16, 2016
- ‘Logistics and Supply chain in the era of Industry 4.0’, EPHJ Fair, Palexpo Geneva, June 14, 2016
- TV Interview, ‘Leman Bleu TV’ on the topic of Industry 4.0. <https://lnkd.in/b2ajjTJ>
- ‘Industrial Innovation in Horizon 2020, the case of Geneva School of Business Administration’, EPHJ Fair, Palexpo Geneva, June 4, 2015.
- ‘Value chains in agricultural commodity trading’, EconomieSuisse, Intercontinental Hotel Lausanne, May 27, 2015.
- ‘Human factors in supply chains’, INSA-Lyon, May 11, 2012.
- ‘Human and organisational factors in supply chains’, Business School of the Sheffield University, June 29, 2011.
- ‘Forecasting and Flowcasting’, Hotel Monceau, Paris, May 6, 2010.
- ‘Innovation in ERPs’, ERP user day, Bern stadium, March 11, 2010.
- ‘Simulation of discrete event systems using Arena’, Rockwell Automation, Casino de Montreux, Sept. 18, 2008.
- ‘Modelling, simulation and optimisation of production systems’, Nestlé, Konolfingen, Switzerland, March 11, 2008.
- Invited talk on ‘Modelling and simulation of supply chains: Theory and practical issues’ Engineering school of Sfax, Tunisia, July 29, 2007.
- Invited talk on ‘Modelling, simulation and optimisation of supply chains’, Engineering school of Tunis, Tunisia, January 4, 2006.

Scientific event organisation and chairing

Events organisation

- Co-organiser of the 2018 Conference on Hospital and Healthcare management ‘GISEH 2018’, Geneva, August 27-29, 2018
- Special session organiser and chair on ‘coordination of supply chains and enterprises networks’, the 17th IEEE CSCWD conference, Whistler, August 5-9, 2012

- Special session organiser and chair on ‘Information sharing and trust impact on coordination and performances of supply chains’, IESM, Metz, May 25-27, 2011
- Chairman and organiser of the First Conference on Human and Organisational Factors in Planning and Scheduling, Lausanne, Sept. 8-9, 2008
- Chairman and Organiser of the HOPS training summer school, Lausanne, Sept. 7-11, 2008

Session organisation and chair

- Chair of the session ‘Modelling: retrospective and perspective’, GISEH, August 27-29, 2018, Geneva.
- 11th conference on Logistics Logistiqua, April 26-27, 2018, Tangier, Morocco.
- International work-conference on Time Series, Granada, July 1-3, 2015.
- The International Conference on Advances in supply chain and manufacturing management, Kharagpur, December 16-18, 2011
- 43rd International Conference on operations research for urban and rural development, Madurai, December 15-17, 2010
- 39th IEEE conference on Computers and Industrial Engineering, Troyes, July 6-8, 2009
- 5th IFAC Conference on Management and Control of Production and Logistics, Grenoble, July 5-8, 2000

Grants and research and development projects

Information available upon request

Active affiliations

- Board member of the CTI-thematic network in Logistics ‘Logistics Network Association (VNL)’ (2014-Present)
- Board member of the International Federation of Logistics and Supply Chain Management Systems (2012-Present)
- IFAC board member of the Technical Committee 9.1 (Economic, Business, and Financial Systems) (2012-Present)
- IEEE board member of the Technical Committee of Computer Supported Cooperative Work in Design (2011-Present)
- Board member of the Society of collaborative Networks (SOCOLNET) (2009-Present)
- IEEE Senior member (2012- Present)

Academic supervision

Supervision of PhD theses

- Mr Iko Alavo, Ongoing, Design and management of humanitarian relief logistics in pre and post disaster management.
- Mrs Felicia Soulikha, Ongoing, Behavioral Operations Management.
- Mrs Yvonne Badulescu (with A.-P. Hameri), Ongoing, Inventory management of short life cycle products with demand forecasts using Big data and judgmental information, Cooperation with the University of Lausanne
- Mr Abderrahmene Mediouni (with N. Zufferey), Ongoing, Design of humanitarian relief logistics decision framework, Cooperation with the University of Geneva

- Mrs Inès Burrus (with G. Palazzo), Ongoing, Sustainable supply chains and their impacts on farming attractiveness, Cooperation with the University of Lausanne
- Mr. Khelil Kassoul (with N. Zufferey), Ongoing, 'Advanced optimisation techniques for the design and control of production systems', Cooperation with the University of Geneva
- Mrs Wafa Ben Yahia (with F. Masmoudi), Ongoing, 'Collaborative and cooperative planning in decentralized supply chains', Cooperation with the National Engineering school of Sfax
- Omar Ayadi (with F. Masmoudi), graduated in 2014, 'Modelling Evolving Supplier Customer Relationships in Enterprise Networks', Cooperation with the National Engineering school of Sfax
- Amin Kaboli (with R. Glardon), graduated in 2013, 'Trust and Inventory Replenishment Decision Under Continuous Review System' 5927-EPFL
- Luca Canetta (with R. Glardon), graduated in 2009, 'Prediction of hybrid (e-commerce and traditional) demand evolution and the assessment of its impact on production system robustness', 4382-EPFL
- Grégoire Pépiot (with R. Glardon), graduated in 2005, 'Modélisation des entreprises sur la base des compétences', 3300-EPFL
- Séverine Meunier Martins (Internal advisor with R. Glardon), graduated in 2003, 'Approche stratégique pour la prévision de données de gestion: méthode ciblée intégrant des éléments subjectifs et mathématiques', 2749-EPFL
- Christoph Hachen (Internal advisor with R. Glardon), graduated in 2003, 'Double speed single production line: A new hybrid manufacturing planning and control system based on the optimal allocation of resources', 2731-EPFL

Supervision of Master theses

- More than 70 Master projects supervised (list available under request)

Supervision of semester and Bachelor projects

- More than 70 Bachelor/semester projects supervised (list available under request)

PhD/Hab. thesis committee member

- 2019, Mr. Vignesh Kumar D., Minimization of total manufacturing cost for simple and complex assemblies, Anna University, India
- 2019, Mr. Sudarsan, D. Lean Manufacturing using Kanban Systems, Anna University, India
- 2017, Mr. Anirban Kundu, Modeling the effect of dominating power on strategic management of supply chains', Indian Institute of Technology Delhi, India
- 2015, Mr. François Marmier, **Habilitation**, Contribution au pilotage des projets et des processus par la prise en compte d'informations relatives aux activités, aux produits, aux ressources et aux risques, INP Toulouse, France
- 2015, Mr. Girish Kumar, Availability analysis of mechanical systems with dependencies and select maintenance policies, Indian Institute of Technology Delhi, India
- 2014, Mr. Amit Kumar, Selected Approaches for Green Supplier Selection, Indian Institute of Technology Delhi, India
- 2014, Mr. Naoufal Sefiani, Contribution to the development of methods for competence management, INSA Lyon, France
- 2013, Mr. Dhia Jomaa, - Reliability of pre-ordering in the hospital pharmacy chain, Saint-Etienne Jean Monet University, France

- 2012, Mr. Avinash Samvedi, Select study in supply chain risk management, Indian Institute of Technology Delhi, India
- 2011, Mr. Khaled Bahloul, Optimisation combinée des coûts de transport et de stockage dans un réseau logistique dyadique, multi-produits avec demande probabiliste, INSA Lyon, France
- 2010, Mr. Sadok Turki, Impact du délai de livraison sur le niveau de stock: une approche basée sur la méthode IPA, PAUL VERLAINE University, Metz, France
- 2009, Mr. Ali Saffarpour, Product Platform Development: ^[1]A Functional Approach Considering Customer Preferences, EPFL, Switzerland
- 2007, Mrs Julie Hohenegger, Compatibility modelling to support opportunity analysis in new product development, EPFL, Switzerland

Language skills

French and Arabic	Bilingual
English	Fluent
German	Good level
Italian	Good level
Spanish	Basic level

List of publications

Refereed journal papers

- Fathollahi-Fard Amir, Mehdi Ranjbar-Bourani, Naoufel Cheikhrouhou, Mostafa Hajiaghaci-Keshteli. 2019. Novel modifications of social engineering optimizer to solve a truck scheduling problem in a cross-docking system. *Computers and Industrial Engineering*. In Press. <https://doi.org/10.1016/j.cie.2019.106103>
- Mogale D. G., Naoufel Cheikhrouhou & Manoj Kumar Tiwari. 2019. Modelling of sustainable food grain supply chain distribution system: a bi-objective approach. *International Journal of Production Research*, In Press. DOI: 10.1080/00207543.2019.1669840
- Nagare M., Dutta P. and Cheikhrouhou N. 2019. Extended distribution-free newsvendor models with demand updates using experts' judgment. *International Transactions in Operational Research*. In Press. doi:[10.1111/itor.12700](https://doi.org/10.1111/itor.12700)
- Vafaenezhad Taha, Reza Tavakkoli-Moghaddam, Naoufel Cheikhrouhou. 2019. Multi-objective mathematical modeling for sustainable supply chain management in the paper industry. *Computers & Industrial Engineering*, 135, 1092-1102.
- Zakeri Shervin, Mohammad Reza Rostamian Delavar, Naoufel Cheikhrouhou. 2019. Dairy Market Selection approach using MCDM methods: A case of Iranian dairy market. *Int. J. of Management and Decision Making*. In Press
- Kaboli Amin, Rémy Glardon, Nicolas Zufferey, Naoufel Cheikhrouhou. 2019. Replenishment behavior in sequential supply chains. *International Journal of Logistics Systems and Management*. 32(3-4), 322-345.
- Gardas BB, RD Raut, N Cheikhrouhou, BE Narkhede. 2019. A hybrid decision support system for analyzing challenges of the agricultural supply chain. *Sustainable Production and Consumption* 18, 19-32.
- Masmoudi Mohamed Amine, Manar I. Hosny, Emrah Demir, Konstantinos N. Genikomsakis, Naoufel Cheikhrouhou. 2018. The dial-a-ride problem with electric vehicles and battery swapping stations. *Transportation Research Part E: Logistics and Transportation Review*, 118, 392-420.
- Masmoudi Mohamed Amine, Manar I. Hosny, Emrah Demir, Naoufel Cheikhrouhou. 2018. A study on the heterogeneous fleet of alternative fuel vehicles: Reducing CO2 emissions by means of biodiesel fuel. *Transportation Research Part D Transport and Environment*, 63, 137-155.
- Mediouni Abderrahmen, Nicolas Zufferey, Nachiappan Subramanian, Naoufel Cheikhrouhou, 2018. Fit between humanitarian professionals and project requirements: Hybrid group decision procedure to reduce uncertainty in decision-making. *Annals on Operations Research*, In Press. <https://doi.org/10.1007/s10479-018-2782-6>
- Cheikhrouhou N., Biswajit Sarkar, Baishakhi Ganguly, Asif Iqbal Malik, Rafael Batista, Young Hae Lee. 2018. Optimization of sample size and order size in an inventory model with quality inspection and return of defective items. *Annals of Operations Research*. 271(2), 445-467.
- Panchal G., V. Jain, Cheikhrouhou N., M. Gurtner. 2017. Equilibrium analysis in multi-echelon supply chain with multi-dimensional utilities of inertial players. *Journal of Revenue and Pricing Management*. 2017. 16(4), 417-436.
- Raut Rakesh, Naoufel Cheikhrouhou, Manoj Kharat. 2017. Sustainability in the Banking Industry: A Strategic Multi-criteria Analysis. *Business Strategy and the Environment*. 26(4), 550-568.
- Pratap, S., Nayak, A., Kumar, A., Cheikhrouhou, N., Kumar Tiwari, M. 2017. An Integrated Decision Support System for Berth and Ship Unloader Allocation in Bulk Material Handling port. *Computers & Industrial Engineering*. 106, 386-399.

- Ben Yahia W., Cheikhrouhou N., Ayadi O., Masmoudi F. 2017. A multi-objective optimization model for cooperative supply chain planning. *Int. J. of Services and Operations Management*. 26(2), 211-237.
- Rezaei-Malek M., Tavakkoli-Moghaddam R., Cheikhrouhou N., Taheri-Moghaddam A. 2016. An approximation approach to a trade-off among efficiency, efficacy, and balance for relief pre-positioning in disaster management. *Transportation Research Part E: Logistics and Transportation Review*, 93, 485–509.
- Madhukar N., Dutta P., Cheikhrouhou N. 2016. Optimal ordering policy for newsvendor models with bidirectional changes in demand using expert judgment. *OPSEARCH*, 53(3), 620–647.
- Basu J., Subramanian N. Cheikhrouhou N. 2015. Review of Full Truck Load Transportation Service Procurement. *Transport Reviews*, 35 (5), 599-621.
- Soner S., Cheikhrouhou N. 2014. A multi criteria group decision making approach for collaborative software selection problem. *Journal of Intelligent and Fuzzy Systems*, 26 (1), 37-47.
- Pezeshki Y., Baboli A., Cheikhrouhou N., M. Modarres, M. Akbari Jokar. 2013. A rewarding-punishing coordination mechanism based on Trust in a divergent supply chain, *European Journal of Operational Research*, 230 (3), 527-538.
- Canetta L., Cheikhrouhou N. and Glardon R. 2013. Modelling hybrid demand (e-commerce "+" traditional) evolution: a scenario planning approach. *International Journal of Production Economics*, 143 (1), 95-108.
- Ayadi O., Cheikhrouhou N., Masmoudi F. 2013. A decision support system assessing the trust level in supply chain based on information sharing dimensions. *Computers and Industrial Engineering*. 66 (2), 242-257.
- Cheikhrouhou N. 2013. Selection of the best hybrid production planning and control strategy for supply chain management: A multi-criteria approach. *International Journal of Logistics and SCM Systems*, 6(1), 29-39.
- Cheikhrouhou N., Choudhary A., Al-Tawil A.H. 2012. Modelling Competence-based Virtual Organizations using the Unified Enterprise Competence Modelling Language. *International Journal of Production Research*, 50 (18), 5239-5258.
- Cheikhrouhou N., Madinabeitia G., Pouly M. 2012. Trust categories and their impacts on information exchange processes in vertical collaborative networked organisations. *Int. J. of Computer Integrated Manufacturing*. 25(12), 1134-1147
- Vijaya, M., Sujay, D., Cheikhrouhou, N., Tiwari, M K. 2012. Optimal process plan selection in networked based manufacturing using game-theoretic approach. *Int. J. of Production Research*, 50 (18), 5239-5258.
- Cheikhrouhou N., Pouly M., Huber C., Beeler J. 2012. Lessons learned from the lifecycle management of Collaborative Enterprises Networks: the case of Swiss Microtech. *Journal of Manufacturing Technology Management*, 23 (8), 1129 - 1150.
- Soner S., Ayadi O., Cheikhrouhou N. 2012. An Extensive Group Decision Methodology for Alliance Partner Selection Problem in Collaborative Networked Organisations. *International Journal of Applied Logistics*, 3(1), 1-19.
- Ayadi O., Cheikhrouhou N., Masmoudi F. 2012. A new formulation of the two-dimensional cutting-stock problem with consideration of forecast planning, *International Journal of Advanced Operations Management*, 4(1-2), 27-61.
- Cheikhrouhou N., Marmier F., Ayadi O., Wieser P., 2011. A collaborative demand forecasting process with event-based fuzzy judgments. *Computers and Industrial Engineering*. 61, 409-421.
- Cheikhrouhou N., Pouly M., Huber C. Choudhary A., 2011. An Empirical Study on Human Aspects and Corresponding IT Support in Collaborative Enterprise Networks, *Journal of Universal Computer Science*, 17(2), 203-223.

- Naciri S., Cheikhrouhou N., Pouly M., Binggeli J-C. Glardon R. 2011. ERP data sharing framework using a Generic Product Model (GPM), *Expert Systems with Applications*, 38(2), 1203-1212.
- Cheikhrouhou N., Piot G., Pouly M. 2010. A multi-criteria model for the evaluation of business benefits in horizontal collaborative networks, *Journal of Intelligent Manufacturing*, 21 (3), 301-309.
- Marmier F., Cheikhrouhou N. 2010. Structuring and integrating human knowledge in demand forecasting: a judgmental adjustment approach, *Production Planning and Control*, 21(4), 399-412.
- Cheikhrouhou N., Marmier F. 2010. Human and organisational factors in planning and control: *Editorial*, *Production Planning and Control*, 21(4), 345-346.
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