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He obtained his Engineering degree in Industrial Engineering from the Polytechnics School of Algiers (Algeria) in 1995, his master’s degree in Industrial System Engineering from Polytechnics Institute of Lorraine (Nancy, France) in 1997, his Ph.D. degree in Production Management from the Troyes University of Technology (UTT) in 2000 and followed by a *Habilitation à diriger les recherches* (Dr. Hab) from Compiègne University of Technology (UTC) in 2006. His research topic focuses on the scheduling problems, system design, operations research, modeling, analysis and optimization of logistic and production systems, reliability and maintenance optimization and on optimization problems in general. He supervised or co-supervised 29 Ph.D thesis and more than 82 projects since 2001. He is founder and partner of OPTA LP SAS company since 2013 <http://www.opta-lp.com/fr/>

He is author or co-author of a pattern and more than 550 contributions, publications or communications with 1 patent; 3 books (Ellipses, Hermes-Lavoisier, Wiley and Sons), 6 edited books (Springer), 16 book chapters and 10_ papers in journals such as *IIE Transactions*, *European Journal of Operational research*, *International Journal of Production Economics*, *IEEE Transactions on Reliability*, *Reliability Engineering and System Safety*, *Computer & Operations research*, *Journal of Intelligent Manufacturing*. He also published more than 320 papers in conference proceedings. He had presented 60 invited speeches (seminaries or conferences plenary sessions). He was invited by different universities (11) more than 20 times. Director (Supervisor) of 33 Ph.D. thesis since 2001

He is member of editor board of the book series "[Automation and Control - Industrial Engineering](#)", ISTE Wiley, London, since 2014. He served or serves as editor to 20 International journal Boards: *Engineering Applications of Artificial Intelligence* (*EAAI*, Elsevier, IF. 6,212, 2022), *The Scientific World Journal as part of the journal's Operations Research subject area* (TSW), *International journal of Supply and Operations Management* (IJSOM), *British Journal of Mathematics & computer Science* (BJMCS), *Journal of Risk Analysis and Crises Response* (JRACR), *Journal*, *American Journal of Operations Research* (AJOR), *Industrial Engineering and Management* (IEM), *Advances in Computer Science and Engineering* (ACSE), *Modeling and Simulation in Engineering* (MSE), *Advances in Artificial Intelligence* (AAI), *International Journal of Applied Logistics* (IJAL). He served as guest editor for Journal special issue (*Journal of Multiple Valued Logic and Soft Computing*, *Journal of Intelligent Manufacturing*). He is reviewer for more than 36 international journals.

He is founder and member of steering committee of IEEE-ICCITX (since 2023), IWOLIA (since 2010) SHEIC (since 2019) and member IESM-MOSIM Steering Committee, since 2019, Membre IFAC/MIM Steering Committee, since 2021. He is advisory Committees/Organizing Committees members of 36 conferences. He is also member of several international conference committees (about 154 conferences) as (INCOM2021, IFAC WC 2020, IEEE ICALT’2019, INCOM 2018, ICINCO 2017, ACIIDS 2017, IEEE SSCI 2016, MIM 2016, INCOM2015, IESM 2015, MIC’2015, SSEMO-WCCI 2014, IEEE-CIPLS 2014, FLINS’14, IEEE-CIPLS 2013, *CILA’2013*, *EMO13*, *MIM 2013*, *CoDIT 2013*, *ICSENT’2012*, *IEEM 2012*), member more than 25 organization committees of conferences and general Chair of IFAC MIM 2016. He organized and or Chair more than 115 tracks or sessions in conference.

He is Vice Chair of IFAC (International federation of Automation and Control) TC group 5.2. He is Chair of a Working Group on multiobjective optimization. He is member of IFAC TC group 5.1. He is member of French Universities National Council (CNU) field Automation, Control, Industrial Engineering (section 61). <http://losi.utt.fr/fr/membres/yalaoui.html>. He is member and expert for French ANR agency, and for different agency such French AERES Agency, Natural Sciences and Engineering Research Council of Canada (NSERC), Algerian PNR program.

He is member of Algerian Academy of Science and Technology (AAST) since 2015. He obtained of Annual Award 20117 of the IFAC French National Member Organization (NMO). He obtained Outstanding Research Award, IEOM Society International, February 2024 5dDubai), Distinguished Academic leadership Award, IEOM Society International, July 2025 (Paris). Named a 2024 Top 0.5% Scholar by ScholarGPS.