Prof. Dr.-Ing. Nasser Jazdi

IEEE Senior Member
Academic Director
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Deputy Director

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Professional Experience

2003-now	Deputy Director, Institute of Industrial Automation and Software Engineering, University of Stuttgart, Germany
2024-now	Visiting Professor, University of Anhui, Hefei, VR China
2002-now	Academic Director, Civil Servant of the State of Baden-Württemberg, Germany
2016-now	Research cooperation with Prof. Dr.-Ing. Vicente Lucena Jr (Full), Federal University of Amazonas, Brazil
2009 (Oct.-Dec.)	Three-month Visiting researcher, Berkeley Initiative for Soft Computing Lab of Prof. Lotfi Zadeh, University of California, Berkeley, USA
2006-2014	Supervision and organization of research cooperation with Donetsk National Technical University (DonNTU), in cooperation with Prof. Volodymyr Svjatnyj. Oversight of the exchange and supervision of the Ukrainian colleagues
2005-now	Instructor of Computer Science/Software Development at the University of Stuttgart, (Until now, Trained 13 apprentices)
2004-now	Organizing and managing a one-week program for students at the Student Engineering Academy Sindelfingen (SIA)
2002-2016	Management and organization of the Unibral project (funded by the DAAD - German Academic Exchange Service) for the exchange of students and doctoral candidates between Manaus, Brazil, and Stuttgart, Germany Supervised 30 Brazilian students for one year in Stuttgart each, overseeing activities including a German course, one research paper, two practical exercises (PÜLs), and four lectures Coordinated the participation of 25 German students in Manaus for six months each, including a Portuguese course, research paper and one lecture
1997-2003	Academic Staff and Doctoral Candidates at the Institute of Industrial Automation and Software Engineering, University of Stuttgart

Education

2003	Doctorate (Dr.-Ing.) in Electrical Engineering and Information Technology, University of Stuttgart. Dissertation: "Internet-Based Diagnosis and Maintenance of Embedded Systems."
1997	Diploma (Dipl.-Ing.) in Electrical Engineering, with a focus on Theoretical Communications Engineering, University of Stuttgart. Comparable to a Master of Science

Teaching Experiences

2019-now	Lecturer of “AI for Industrial Automation Systems”, Anhui University, VR China
2008-now	Lecturer of “Reliability and Safety of Industrial Automation Systems"
2003-now	Supervised the lecture “Software Engineering II-Lecture”. Covered topics include: Data base systems, System Engineering, Configuration Management, Agent-based Software Development, Formal Methods, and Complexity and Security Aspects of Software Engineering
2003-now	Conducting the tutorial “Software Engineering II-Exercise”. Content: Data base, System Engineering, Configuration Management, Agent-based Software Development, Formal Methods, Complexity and Security Aspects of Software Engineering
1998-now	Supervised over 320 student theses including Diploma, Research, Bachelor’s- and Master’s-Theses

Scientific Engagement

2021-now	VDI-GPP FB5 Technical Advisory Board Safety and Reliability
2021-2022	Publication Chair, IEEE International Conference on Emerging Technologies and Factory Automation (ETFA) 2022
2017-now	Vice Chair for Education in TC 3.3. Telematics: Control via Communication Networks, International Federation of Automatic Control (IFAC)
2016-now	Reviewer at the Alexander von Humboldt Foundation
Since 2014	IEEE Senior Member
2014-now	VDE-GMA Technical Committee 2.19 Continuous Engineering of Control Systems
2012-2022	VDI-GPP FA510 Software Reliability – Developing of the VDI4011-standard
Since 2004	VDE (Association of German Electrical Engineers) member

Committee Membership, University of Stuttgart

2020-2023	Taskforce "Digital Teaching" (During the COVID pandemic)
2020-2023	Taskforce "Examination Organization" (During the COVID pandemic)
2020-2023	Taskforce "Video Conferencing Systems" (During the COVID pandemic)
2020-now	Member of GRADUS Advisory Board
2018-now	Member of Staff Council (Deputy since 2024)

2018-now Member of Steering Committee Internationalization

2015-now Member of Senate Committee on Teacher Education (SALB)

2014-now Member of the Board of the Academic mid-level Faculty

2012-now Member of Senate Committee on Teaching and Continuing Education (SAL)

2012-now Member of Utilization Committee, Center for Language Education

2012-now Member of Advisory Board for Teaching and Continuing Education

2008-now Member of Admissions Committee M. Sc. Mechatronics

Committee Membership, Faculty of Computer Science, Electrical Engineering, and Information Technology

2021-now Member of e-mobility Study Commission

2021-now Member of Study Commission Sustainable Electrical Power Supply

2021-now Member of Study Commission Electrical Engineering and Information Technology

2021-now Member of Examination Commission Electrical Engineering and Information Technology

2016-now Prüfungsausschuss & Zulassungsausschuss Elektrotechnik und Informationstechnik (Stellv.)

2016-now Prüfungsausschuss & Zulassungsausschuss Nachhaltige Elektr. Energieversorgung (Stellv.)

2016-now Prüfungsausschuss & Zulassungsausschuss Elektromobilität (Stellv.)

2014-now Faculty Council (since 2020 deputy)

2003-now Member of Administrative Circle of the Department of Electrical Engineering and Information Technology

Research Interest

- Use of LLMs (Large Language Models) in Industrial Automation Systems
- Dynamic Calculation of Reliability of Industrial Automation Systems using Machine Learning
- Software Reliability in the context of IoT (Internet of Things)
- Artificial Intelligence in Industrial Automation

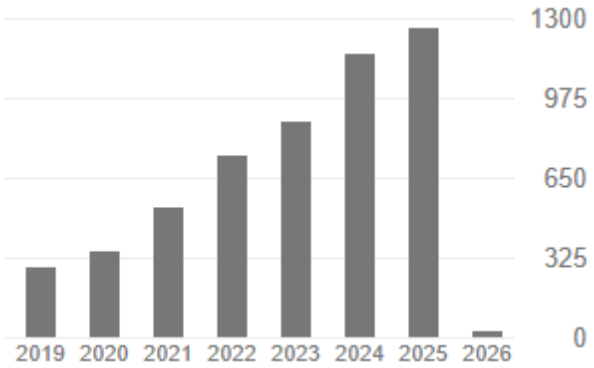
Patents

1. Patent application jointly with Siemens AG (US application, Method for testing the modeling of technical systems, PCT/EP2010/061003)
2. Invention Disclosure: "Modular drug dispensing system", File number Uni Stuttgart: 0521.9-12
3. Invention Disclosure of: 08 Feb 2023, received on: 08 Feb 2023 “Hybrid system modeling for …” with Siemens AG, Robert Bosch GmbH, Fraunhofer IZM. The registration process is still running

Publications (Nov. 2024):

Book/book contribution	4
Journals	18
Conference contributions	219

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