



# Mohammad Dashti Javan

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## Education

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| <ul style="list-style-type: none"> <li>• <b>Ferdowsi University</b><br/>PhD student in Electrical Engineering (Control)<br/>present</li> </ul>        | <b>Mashhad, Iran</b><br>At   |
| <ul style="list-style-type: none"> <li>• <b>Amirkabir University of Technology</b><br/>Master of Electrical Engineering (Control)<br/>2015</li> </ul> | <b>Tehran, Iran</b><br>2013- |

## work experience

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| <ul style="list-style-type: none"> <li>• Deputy CEO of NanoAge Company<br/>2022</li> </ul>   | 2019-     |
| <ul style="list-style-type: none"> <li>• Deputy of Electricity and Instrumentation Department of NanoAge Company</li> </ul>  | 2016-2017 |
| <ul style="list-style-type: none"> <li>• Technical and Engineering Vice President of Rastin Pajouhan Segal Knowledge-based company</li> </ul>                                | 2015-2022 |
| <ul style="list-style-type: none"> <li>• Member of the Board of Directors and CEO of Behineh Samaneh Emrouz Company<br/>2022</li> </ul>                                      | 2012-     |
| <ul style="list-style-type: none"> <li>• Senior Consultant of Electrical and Automation of Novin Construction Factory, Tehran, Safadasht Industrial Town<br/>2021</li> </ul> | 2019-     |
| <ul style="list-style-type: none"> <li>• Consultant of Hasheminejad International Airport Automation Project, Mashhad</li> </ul>   | 2014      |
| <ul style="list-style-type: none"> <li>• Director of Mechatronics and Automation Department of the fully automatic parking project<br/>2014</li> </ul>                       | 2013-     |
| <ul style="list-style-type: none"> <li>• Head of Control and Automation Department of South Pars Platforms</li> </ul>  | 2013      |
| <ul style="list-style-type: none"> <li>• Designing and supervising the implementation of electricity and automation of petroleum products supply station projects</li> </ul> | 2011-2013 |

## Teaching Experience

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| <ul style="list-style-type: none"> <li>• Lecturer of Linear Control, Signal and System, Imam Reza International University<br/>2016</li> </ul> | 2015-     |
| <ul style="list-style-type: none"> <li>• Lecturer of Control Laboratory, Imam Reza International University (AS)</li> </ul>                    | 2015-2016 |
| <ul style="list-style-type: none"> <li>• Instructor of Industrial Networks, Montazeri Technical College, Mashhad<br/>2016</li> </ul>           | 2015-     |

- Instructor of Advanced Instruments, Montazeri Technical School, Mashhad 2015-2016
- Instructor of short introductory and advanced PLC courses. Part Control Company 2013-2016
- Instructor of basic and advanced industrial courses of PLC. Faraz Sanat (Representative of Festo Germany) 2014-2016
- Instructor of PLC and process courses. Mashhad University of Applied Sciences 2013-2014

## Research Activities

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### • Articles:

- Menhaj M, Dashti Javan M, Aghakouchaki Hosseini E, "A Metaheuristic-based Fuzzy Controller for Semi-Active Control of Magnetorheological Dampers", Research Journal of Applied Sciences, Engineering and Technology 2020
- Aghakouchaki Hosseini E, Dashti Javan M, Shojaee K, "A Novel Approach in Digital Controllers Design Using Metaheuristic Algorithms", Research Journal of Applied Sciences, Engineering and Technology 2020
- Dashti Javan M, Aghakouchaki Hosseini E, "Lagrangian Modeling and Optimal MIMO PID Control of a Manipulator Using Tabu Search Algorithm", Journal of Architectural Design and Construction Technology 2020
- Menhaj M, Dashti Javan M, Aghakouchaki Hosseini E, "Optimal Fuzzy Control of Nonlinear Dynamical Systems Using Evolutionary Algorithms", Research Journal of Applied Sciences, Engineering and Technology 2020

### • Conferences:

- Behnam M, Dashti Javan M, Shojaee K, Seyedkashi H, "Tuning of digital PID controller using particle swarm optimization", Proceedings of the 29th Chinese Control Conference 2010
- Behnam M, Dashti Javan M, Shojaee K, Seyedkashi H, "Novel simulated annealing algorithm in order to optimal adjustment of digital PID controller", 11th International Conference on Control, Automation, Robotics and Vision ICARCV Singapore 2010
- Beiki K, Dashti Javan M, Shojaee K, "An intelligent approach for optimal regulation of blood glucose level", 17th Iranian Conference of Biomedical Engineering 2010

## Certificates

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- Certificate of design, microcontroller analysis Iran Technical and Vocational Education Organization
- International ICDL Certificate
- Certificate of presentation at the conference on control, instrumentation and automation Tarbiat Modares University of Tehran
- Certificate of Cognitive Science Conference Ferdowsi University of Mashhad
- International Certificate PLC I AIRTEC Germany
- International Certificate PLC II AIRTEC Germany
- P&ID Certificate Wisdom Institute India
- Conference presentation at Iran Medical Engineering Conference IEEE Conference
- Automatic Control System Certification Wisdom Institute India
- DCS Distributed Control System Certification Wisdom Institute India
- Certification of oil quality management system ISO 29001 / TS TUV GROUP Germany
- HSE-MS certification TUV GROUP Germany

## Skills

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- **Managerial:**

- Effective prioritization of personal and group tasks in the organization
- Considering various factors in the decision-making and problem-solving process
- Provide progress reports and transfer technical problems to supervisors for review and correction
- Ability to plan and manage the organization
- Designing new ideas to solve problems
- Management of EPC and PC projects

- **Engineering:**

- Design of instrumentation and industrial network and SCADA system (based on Ind.Net and configuration and commissioning)
- Design of Distributed Control System (DCS) and PLC control system for factory and process automation
- DCS, PLC and HMI Hardware Programming and Configuration (Siemens 200-S7 / 1200/300/400/1500)
- Execute server settings, software configuration and process controllers under MS-Win operating system
- Industrial network setup (Profinet, Ind.Ethernet, EtherCAT, Profibus, Modbus, HART, As-Interface)
- Designing process control system and P&ID drawings
- Programming and adjusting AC Drive parameters (directly or based on internal network such as Profibus)

- **professional softwares:**

- Automation Studio
- TIA Portal
- SIMATIC Manager
- Wincc
- Microsoft Project (MSP)
- Design Mate
- EPLAN
- LabVIEW
- AutoCAD
- EdrawMax
- Microsoft Visio
- MATLAB

- **General software:**

- Microsoft office
- Adobe Photoshop

- **Programming skills:**

- LAD
- STL
- FBD
- Assembly
- MATLAB
- C / C ++

- **Language skills:**

- English: Intermediate
- Arabic: Basic