

OBJECTIVE For Information**PERSONAL INFORMATION**

Nationality: Iranian
Address: Tehran, Iran
Date of Birth: 10, Sep, 1981
Gender: male
Marital Status: single
Email: a.tarakameh@mail.com
Website: [linkedin.com/in/ahmadtarakameh](https://www.linkedin.com/in/ahmadtarakameh)

EDUCATION

- 2012 - 2014 **M.A., Executive Management** GPA: 17.47. (in 0-20 scale)
Iran University of Science & Technology (IUST)-one of the top 5 univ. in Iran
- 2006 - 2009 **M.Sc., Electrical Engineering (Control Systems)** GPA: 19.13. (in 0-20 scale)
Iran University of Science & Technology (IUST)-one of the top 5 univ. in Iran
Thesis title: Adaptive Path following Control of Non-holonomic Wheeled Mobile Robots in presence of Sliding
- 2000 - 2005 **B.Sc., Electrical Engineering (Control Systems)**
Iran University of Science & Technology (IUST)-one of the top 5 univ. in Iran
Thesis title: Designing and Manufacturing an Interface in Active Noise Control system

WORK EXPERIENCE

- 2001 - Present **Employer: Niroo Control Saman Design & Engineering Co. (NICS Co.)**
- 2011 - Present **Technical Project Manager** (Electrical / Instrumentation / Control systems)
*Managed projects listed in the next sub-section.
Main activities:
 - Defining scope, deliverables, resources.
 - Progress reports to stakeholders
 - Managing and contributing to progress & solving technical issues.
- 2010 - Present **Head of instrumentation and Control Department**
Main activities:
 - Monitoring, leading, training, and managing
 - Conducting and setting goals
 - Developing best practices to achieve departmental goals
- 2008 - 2010 **Senior Instrumentation & Control Engineer**
Main activities:
 - Providing advice on the field of I&C engineering and will coordinate tasks
 - Perform the required calculations
 - Checking the material and equipment schedules and datasheets
 - Collaborating in the preparation of proposals
- 2003 - 2008 **Automation, Instrumentation & Control Engineer (part-time)**
Main activities:
 - Designing engineering's documents
 - # P&ID's (with Process)
 - # Instrument datasheets
 - # Instrument lists
 - # I/O lists
 - # Panel wiring diagram
 - # I&C Location Plan
 - # Control Philosophy
 - # Control Configurations
 - # PLC Program algorithm
 - # Loop Diagram
 - # FAT & SAT
 - etc.
 - Programming PLCs and HMIs
 - Implementing and configuring Telecontrol system
- 2001 - 2006 **IT Specialist (part-time)**
Main activities:
 - Applying and Managing Computer Network systems, Servers,...

SELECTED PROJECTS

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|-------------|---|--------------------------|
| 2019 - 2021 | <u>Development of industrial machines for production lines</u> | (Project Manager) |
| | Development three individual automatic machines for cleaning, sandblasting, and finally acid-etching process of dental implants, from concept design to manufacturing and commissioning. | |
| 2014 - 2019 | <u>Distributed Control System (DCS) for a water conveyance line</u> | (Project Manager) |
| | An EPC (Engineering, procurement, and construction) project to set up a control system and instrumentation for a water transmission pipeline with an approximate length of 24 km, from a dam, with two pump stations and four branches along the line and final output.
Using the SIMATIC WinCC (SCADA & HMI system from Siemens) and fiber optic, all stations are now being monitored in central control room. | |
| 2012 - 2018 | <u>Distributed Control System (DCS) for water supply facilities</u> | (Project Manager) |
| | An EPC project to set up a control system and automation for water supply facilities, with three reservoirs and related pump stations and more than 30 wells spread over an area of about 40 square kilometers.
Using the HIGH-LEIT (SCADA & HMI system from IDS) and telemetry systems, all stations are now being monitored & controlled automatically. | |
| 2012 - 2013 | <u>Revamping of petrochemical loading line control system</u> | (Project Manager) |
| | The project aimed to design and install an automation system on a loading line of CF (petrochemical product) in a petrochemical plant to substitute an old control system with the Siemens PLC and monitoring system. | |
| 2011 - 2013 | <u>Centralized Control System for a petrochemical WWTP</u> | (Project Manager) |
| | An EPC project to set up a control system and instrumentation for a petrochemical wastewater treatment plant using the Siemens PCS7 & redundant PLCs . | |
| 2010 - 2012 | <u>Automation and Control of a petrochemical water filtration unit</u> | |
| | Design and implementation of an automation system for a petrochemical water filtration unit using the Siemens soft redundant PLC, HMI and monitoring system. | |
| 2010 - 2011 | <u>Control System for a drinking water pump station</u> | |
| | Design and construction electrical and control panels and implement a control system and instrumentation for a pump station with a remote reservoir. | |
| 2010 - 2011 | <u>Centralized Control System for a sewage treatment plant</u> | |
| | Design, purchase, construct control panels, install and commission a control system and instrumentation for the municipal wastewater treatment plant. | |
| 2007 - 2009 | <u>Development of car factory production line</u> | |
| | Design, manufacturing, installation and commissioning of electrical equipment and control system (DSC) of the car production line. | |

PROFESIONAL SKILLS

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| <ul style="list-style-type: none"> ▪ Design & Engineering
Designing LV Electrical Panels
Designing Control Panels
Reviewing and understanding electrical drawings ▪ Troubleshooting
Electrical, control and instrumentations ▪ Instrumentation
Calibrating and Configuring ▪ Networking
Configuring and commissioning industrial networking hardware | <ul style="list-style-type: none"> ▪ MATLAB & Simulink ▪ Siemens SCADA Systems
Very good knowledge of different PLC Hardware
Proficient user of different software (PCS7, TIA Portal, SIMATIC S7, SIMATIC WinCC) ▪ EPLAN - Designing Electrical & control panels ▪ General Programming Languages - C, Visual Basic ▪ PROTEL DXP - Designing PCBs ▪ Auto CAD ▪ Microsoft Office ▪ Microsoft Project - (Project Management Software) |
|--|--|
- [Easily & eagerly learns new technical software and standards]**

TEACHING EXPERIENCE

- ICDL Course, 2006. University of "Seda va Sima",
- Math & Physics, 2004 - 2005. Teaching in a private class to high school student

LANGUAGES

English Proficiency	Mother Tongue(s)
TOEFL IBT assessment (2008) Total Score:79 Reading: 19 Speaking: 20 Listening: 25 Writing: 15	Persian

PERSONAL INTERESTS

- Playing Guitar
- Cycling
- Hiking
- Swimming

