Yaser Doaie

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Education

• **Amirkabir University of Technology**	**Tehran,Iran**
Master of Civil Engineering (Marine Structures)	2011-2013
• **Shahid Bahonar University**	**Kerman,Iran**
Master of Civil Engineering (Marine Structures)	2000-2004

work experience

• Full-time faculty member of Asrar Institute of Higher Education	2014 so far
• Member of the Board of Directors of Asr Nano Engineering Company	2005 so far
• Secretary of the Graduate Committee of the Institute of Higher Education	2020 so far
• Secretary of the Virtual Education Committee of Asrar Institute of Higher Education	2019 so far
• Managing Director of NanoAge Engineering Technical Company	2018-2020
• Director of the Free Education Center of Asrar Higher Education Institute	2016-2019
• Instructor of higher education institutions	2012 so far
• Consultant of the National Company for Distribution of Petroleum Products in Khorasan Razavi region	
• Accounting Engineer of Witter Industrial Group	2012-2016
• Accounting Engineer of Light Structures Company (Design and calculation of space structures)	2006-2014
• Accounting Engineer of Majd Space Structures Company (Design and calculation of space structures)	2007 so far
• Accounting Engineer of Mashhad Engineering Technical Offices (more than 30 thousand square meters of steel structure and more than 10 thousand square meters of concrete structure)	2004 so far
• Accounting Engineer, Technical Structure Engineering Office of the city	2004-2005
• Supervising engineer of Fajr 252 unit project (national sample project)	2004
• Engineer of Kazempour Apartment Hotel Complex	2003
• Member of Khorasan Razavi Building Engineering System Organization	
• Member of the Iranian Association of Space Structures	

Teaching Experience

• Structural metal structures. Ferdows Higher Education Institute	2013-2016
• Material strength, structural analysis, application of software, meters and project estimation, static. Institute of Higher Education Secrets	2014 so far
• Physics, statics. Binaloud Higher Education Institute	2011-2012
• Project management and familiarity with MSP software. Meshkat Higher Education Complex	2011-2012
• Project management and familiarity with MSP software. Daneshmand Higher Education Complex	2010

Research Activities

- **Book:**
- Steel structures (project method in civil engineering) 2018
- **Articles:**
- Doaei Y, Jahan A, "Application of Artificial Intelligence and Meta-Heuristic Algorithms in Civil Health Monitoring Systems", Civil Engineering Journal, ISI, Vol 4, No 7 July 2018
- Doaei, Y., Aghakouchaki Hosseini, S. E., Momenzadeh, A., & Harirchian, E. **"**Investigating the Effect of Screw Size on the Stress Level in MERO Joint for Space Frame Structures**"**. Applied System Innovation, 4(4), 84. 2021
- **Conferences:**
- Doaei Y, Jahan A, "Application of Health Monitoring in Civil Engineering with Selection of Optimal Method", 5th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, Khajeh Nasir al-Din Tusi University, Tehran, Iran 2017
- Doaei Y, "Parametric Modeling of Structures with Carmba Plugin", The First National Conference on Applied Research in Structural Engineering and Construction Management, Sharif University of Technology 2016
- Doaei Y, "Application of algorithmic and parametric architecture in the construction of urban elements", Conference on Elements of Urban Beautification 2013
- Doaei Y, " Location and range of effectiveness of fuel supply station using Veronese algorithm; a case study of the holy city of Mashhad", the first conference on urban services and environment 2013
- Doaei Y, "Design of fuel supply stations based on climatic conditions", Buchan Conference on Sustainable Architecture and Urban Development 2013
- Doaei Y, Shariatmadar H, "Comparison of reinforcement method of reinforced concrete structures using space frames in the second and third edition regulations", the first international conference on seismic reinforcement in Tabriz
2008

Research

- Rhino and Grasshopper training course, (taught by Mohammad Yazdi) Tehran, 2013
- Rhino and Grasshopper Training Course, (Instructor Zubin Khabazi) Mashhad Tehran Technical Complex, 2013
- Voluntary firefighter level one training course (fire alarm systems)
  Mashhad Municipality Fire and Safety Services, 2010
- Voluntary firefighter level one training course (safety principles and accident prevention)
  Mashhad Municipality Fire and Safety Services Organization, 2010
- Level 1 training course for volunteer firefighters (home appliance safety)
  Mashhad Municipality Fire and Safety Services Organization, 2010
- Advanced workshop "Gear Domes" Science and Technology Center of the University of Tehran, 2010
- Workshop "Rules and Regulations Governing Contracts (Explanation of Price Indexes of 2009)"
  Technical Office of Khorasan Razavi Governorate, 2010
- Advanced workshop "Forms of Free Structures" Science and Technology Center of the University of Tehran, 2009
- Advanced workshop "Geodetic domes" Science and Technology Center of the University of Tehran, 2009
- Specialized workshop "Cable domes, hanging domes and elastic structures"
  Science and Technology Center of the University of Tehran, 2009
- Specialized workshop "Introduction to Fermin software"
  Science and Technology Center of the University of Tehran, 2009
- Specialized workshop "Geodetic domes and free forms"
  Science and Technology Center of the University of Tehran, 2009
- Specialized workshop "Methods of analysis and design of space structures"

Science and Technology Center of the University of Tehran, 2009
- Comprehensive course "Project Management and MSP Software"   Iranian Industrial Engineering Association, 2007
- Training course "Introduction to the nineteenth topic of national building regulations
Building Engineering System Organization, 2006
- Intensive training course "Space Structures"   Shahid Bahonar University of Kerman, 2003

Skills

- **Language skills**
- English: Intermediate

- **Engineering software:**
- Rhino / Grasshopper software
- Etabs, Sap, Safe software
- Abaqus software
- Formain software