

MOHAMMAD REZVANI

Personal Particulars:

Surname: Rezvanizani
First name Seyed Mohammad
Date of birth: May 25, 1979
Place of birth: Esfahan, Iran
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Objective

To obtain a challenging position within the field of Maintenance Engineering

Educations:

Degree	Major	University	GPA
PhD 2009-present	Mechanical Engineering	University of Cincinnati	
M.Sc. 2006-2008	Maintenance Management and Engineering	Luleå University of Technology (Sweden) & Sharif University of Technology (Iran)	4.63 /5.00
B.Sc. 1997-2002	Rolling Stock Engineering	Iran University of Science & Technology	14.01 /20

Publications:

Refereed Journal Paper

- **Rezvanizani S. M**, Barabady J, Valibeigloo M, Asghari M, Kumar U, "Reliability analysis of the rolling stock industry: A case study", *International Journal of Performability Engineering*, vol. 5, No. 2, January 2009.

Refereed Conference Papers

- **Rezvanizani S. M**, Valibeigloo M, Asghari M, Barabady J, Kumar U, " Reliability Centered Maintenance for Rolling Stock: case study in coaches' Wheel sets of Passenger Trains of Iran Railway" *IEEE Industrial Engineering & Engineering Management*, December 8-11 2008, pp. 516-520, ISBN 978-1-4244-2630-0, Singapore.
- **Rezvanizani S. M**, Valibeigloo M, Asghari M, Barabady J, "Role of Reliability Analysis in optimization of Preventive Maintenance Time Intervals" *WCEAM-IMS 2008*, 27-30 October 2008, pp. 1349-1356, Beijing, China.
- Asghari M, **Rezvanizani S. M**, Valibeigloo M, Barabady J, " Feasibility Study of CMMS Implementation A case study in RAJA Passenger Trains Company " *10th International Railway Transportation Conference 2008*, November 17-18 2008, Tehran, Iran.
- Asghari M, **Rezvanizani S. M**, Valibeigloo M, Barabady J "Investigation of Federal Enterprise Architecture Framework A case study in RAJA Passenger Trains Company" *10th International Railway Transportation Conference 2008*, November 17-18 2008, Tehran, Iran.
- Asghari M, **Rezvanizani S. M**, Valibeigloo M, Barabady J "CMMS Implementation by using Prototyping Methodology; A case study in RAJA Passenger Trains Company" *10th International Railway Transportation Conference 2008*, November 17-18 2008, Tehran, Iran.
- Valibeigloo, M. Asghari M, **Rezvanizani S. M**. "Role of Main. IS/CMMS in Improvement of Maintenance Efficiency and Decision Support System: a case study in Raja Passenger Trains Co.", *9th International Railway Transportation Conference 2007*, November 2007, Tehran, Iran.
- **Rezvanizani S. M**, Valibeigloo M, Asghari M "Impact of Vibration-Monitoring System on plant productivity: a case study in Raja Passenger Trains Co." *4th International Conference on Maintenance 2007*, November 13-14 2007, Tehran, Iran.

Theses:

- Master's** • Improving the Maintenance Productivity of RAJA Passenger Trains Co.
Bachelor's • Application of Hydrostatic Power Transmission Systems in Locomotives and Rolling Stock vehicles

Research Interests

Intelligent Maintenance Systems, Risk Analysis, Operation Research, Reliability, Stochastic Programming

Honors and Scholarships:

- Best paper and presentation in the *10th International Railway Transportation Conference 2008*
- Best poster paper in the *9th International Railway Transportation Conference 2007*
- MS.c Superior Scholarship sponsored by RAJA Passenger Trains Company (14000\$)
- Distinguished Top student, Railway Dep., IUST, 2001-2002
- Was in the top 0.4% of accepted students in National Entrance Examinations for Higher Education

Work Experience:

2009-present	Research Assistant- Intelligent Maintenance System Center in University of Cincinnati
2005-2009	RAJA Passenger Trains Company, Tehran <ul style="list-style-type: none">• Maintenance engineer of rolling stock vehicles in Maintenance Department• Expert of Documentation Unit of Maintenance Department
2003-2005	ZEREHI Research Industrial Complex affiliated to Defense Ministry, Tehran <ul style="list-style-type: none">• Expert of Interlocking systems in Tehran- Karaj suburban Railway transportation systems
1998-2005	RAJA Passenger Trains Company, Tehran <ul style="list-style-type: none">• A part time apprentice in rolling stock maintenance and overhaul workshops

Languages:

- **English:** Fluent TOEFL: 560 GRE V: 370 Q: 770 A: 2.5
- **French:** Novice
- **Persian:** Mother tongue

M.Sc. courses

- Service Management and Product Support
- Reliability Centered Maintenance (RCM)
- Basic Maintenance Engineering and Management
- Life Cycle Costing (LCC)
- Reliability, Availability and Maintainability Engineering
- Maintenance Information System and Safety Engineering
- Condition Monitoring and Predictive Maintenance
- Total Productive Maintenance (TPM)

Skills & Teaching experience:

- Teaching RCM and Reliability in RAJA Passenger Trains Company, 2007
- Attending FESTO didactic course *Introduction to Pneumatics P111*, Nov 2006
- Attending Basic, Structure & Documentation of ISO 9001:2000 in Industrial & Scientific Service of Tehran Co., 2005
- Computer software skills: MS office, AutoCAD, Solid Work, Statistica, MATLAB

References:

Prof. Uday Kumar Head of Division Operation and Maintenance Engineering

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