

Reza Hesan

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Education

2014	PhD student in technology, policy, management (TBM) faculty Delft university of technology, Delft, Netherlands
2012-2016	PhD student in " Model Based Public Planning, Policy Design, and Management" Palermo university, Palermo, Italy
2005 to 2007	M.Sc in System Management and Productivity Sharif university of technology, Tehran, Iran
1995 to 2000	B.S. in Electrical Engineering Isfahan university of technology, Isfahan, Iran
1992 to 1995	Diploma in Calculus and Physics Maleksabet High School, Yazd, Iran

Publications

Published /	✓ Hesan, R., Ghorbani, A. and Dignum, M. (2014a). Using difference equation to model discrete-time behavior in system dynamics modeling, 32nd International Conference of the System Dynamics Society, Delft, The Netherlands, 20-24 July 2014; Authors version, System Dynamics Society. 67, 84, 85, 86, 109
under Review :	✓ Hesan, R., Ghorbani, A. and Dignum, V. (2014b). Modeling the influence of multiple social groups on agents behavior, European Conference on Social Intelligence (ECSI-2014) Barcelona, Spain, November 3-5, 2014. 25
	✓ Hesan, R., Ghorbani, A. and Dignum, V. (2015). Modelling environments in ABMS: A system dynamics approach, Multi-Agent-Based Simulation XV, Springer, pp. 41-52
	✓ Hesan, R. and Behdani, B. (2015). Supply chain simulation: A hybrid approach combining system dynamics and agent-based modeling, 6th International Conference on Computational Logistics Delft, The Netherlands, Sept. 23-25, 2015
	✓ Hesan, R., Pruyt, E. (2016). A Hybrid Modeling Method: Combining System Dynamics Modeling with Agent Based Modeling, 34nd International Conference of the System Dynamics Society, Delft, The Netherlands, 17-21 July 2016.
	✓ Hesan, R., Pruyt, E. (2016). Hierarchical hybrid modeling, 8th International Congress on Environmental Modeling and Software (iEMSs), Toulouse, France, 10-14 July 2016.
	✓ Minimizing the Bullwhip Effect: A Control Theory Approach (Under review)

Professional Affiliations and Memberships

Member of the System Dynamics Society

Work Experience

Ministry of Industries & Mines, Tehran, Iran
Industrial policy consultant

2008 to 2011

- ✓ Analyzing and designing a policy for SOE(State Owned Enterprise) privatization
- ✓ Designing processes for implementing 1000 industrial project, for ministry of industries & mines.
- ✓ Collaborating as a member of group that writing industrial strategy of Iran
- ✓ Managing and coordinating team to investigate on industrial policy.

Transport & fuel planning organization, Tehran, Iran
Planning consultant

2007 to 2008

- ✓ Investigating solutions for implementing LAS (Land Administration System).

Tehran Traffic Control Organization, Tehran, Iran
ITS (Intelligent Transportation Systems) Consultant

2006 to 2007

- ✓ Analyzed and designed a system for Tehran intelligent bus fleet management system project by using AVL, GIS-based monitoring and routing algorithms.
- ✓ Investigated solutions for Tehran congestion charging.

Teaching Experience

2017 Advanced System Dynamics modeling, Delft, Netherlands

Honors and Awards

2014 Scholarship to attend European Conference on Social Intelligence (ECSI-2014)
2013 Scholarship to attend 14th European Agent Systems Summer School-2012 (EASSS 2012)
2012 Full scholarship award of Iran's Ministry of Science to pursue PhD degree abroad.
2005 Ranked **19th** in Iran's National M.A. Entrance Exam (out of 5,000 candidates).

IT Knowledge

Programming: Python, JavaScript
Software : Vensim (System Dynamics modeling), Netlogo(Agent-based Modeling).

Personal Strengths & Profile

Personal Skills: Good organizational skills, Team building, Problem solving, Critical thinking, Seeing things from different perspectives, Ability to work Independently.
Personal values: Commitment, Creativity, Discipline, Effectiveness.

Languages

Persian (native) **English** (TOEFL-ibt 88)

References

Erik Pruyt, Associate Professor at Tudelft university, Delft, Netherlands.
Email: E.pruyt@tudelft.nl
Carmine Bianchi, Professor at Palermo university, Palermo, Italy.
Email: carmine.bianchi@unipa.it