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## **Education**

- ۱۹۹۴-۱۹۹۸, ***Ph.D in Management of Technology (MOT)***, Institut National Polytechnique de Grenoble (INPG), Grenoble-France, <http://www.inpg.fr/>.
- ۱۹۹۳-۱۹۹۴, ***M.Sc. in Industrial Engineering*** (MOT orientation), Institut National Polytechnique de Grenoble (INPG), Grenoble-France.
- ۱۹۹۰-۱۹۹۳, ***M.Sc. in Industrial Engineering***, Sharif University of Technology (SUT), Tehran-Iran, <http://www.sharif.ir>.
- ۱۹۸۴-۱۹۸۹, ***B.Sc. in Industrial Engineering***, Isfahan University of Technology, Isfahan-Iran, <http://www.iut.ac.ir/>.

## **Research interest**

- Strategic Management of Technology & Innovation (especially in CoPS)
  - Integration
  - Networking
  - Catch-up
- Corporate Technology Strategy
- Technology/Competence-Based Strategic Planning
- New Product Development
- Energy Sector

## Selected Publications

### Journal

- **Mohammad Reza Arasti**, Nima Garousi Mokhtarzadeh, Ismail Jafarpanah (۲۰۲۱), Networking capability: a systematic review of literature and future research agenda, *Journal of Business & Industrial Marketing* (to be appeared).
- **Mohammad Reza Arasti**, Majid Haghghi (۲۰۲۱), Dual-core Innovation Networks Stability: Antecedents and Moderating Factors, *Journal of Science & Technology Policy*, ۱۴ (۳), pp. ۱۹-۳۰.
- **Mohammad Reza Arasti**, Mahdi Khaleghi, Azita Karamipour, Alireza Aslani, Mohammad Mahdi Zolfagharzadeh (۲۰۲۰), Formation and Evolution of Basic Design Capability in Mapna-boiler as a Latecomer System Integrator, *Journal of Science & Technology Policy*, ۱۲ (۴), pp. ۱-۱۸.
- Ismail Jafarpanah, **Mohammad Reza Arasti**, Nima Mokhtarzadeh (۲۰۲۰), Networking Capability of Integrator Firm: A Systematic Review of Literature and Future Research Agenda, *Journal of Science & Technology Policy*, ۱۲ (۴), pp. ۴۹-۷۰.
- Majid Haghghi, **Mohammad Reza Arasti**, Abbas Bahri, Amir Ali Saifoddin, Hadi Nilforoushan, Alireza Aslani (۲۰۱۹), Formation of innovation networks with two hubs: A case study of mega-watt wind turbine network, *Innovation Management Journal*, ۸ (۳), pp. ۱-۲۲.
- Iman Miremadi, Yadollah Saboohi, **Mohammad Reza Arasti** (۲۰۱۹), The Influence of Public R&D and Knowledge Spillovers on the Development of Renewable Energy Sources: The Case of the Nordic Countries, *Technological Forecasting & Social Change*, ۱۴۶, pp. ۴۰۰-۴۶۳.
- Mojtaba Azizi, Mohammad Hosein Sobhiyah, **Mohammad Reza Arasti**, Amir Albadvi (۲۰۱۹), Modeling Project Management Capabilities Inter-Organizational Learning in Iran's International Petroleum Projects, *Organizational Resources Management Researchs*, ۸ (۳), pp. ۸۷-۱۰۸.
- Ahmad Karimpour Kalow, Mohammadreza Arasti, Mohammadreza Akbari Jokar (۲۰۱۸), Macro Policy for Product Architecture in Automotive Industry a Means for Integrated Design, *Public Management Researches*, ۱۱, pp. ۱۴۱-۱۶۲.
- Fateme Hoshdar, Sepehr Ghazinoori, **Mohammad Reza Arasti**, Farhang Fassihi (۲۰۱۷), Technology Planning System for the Iranian Petroleum Industry: Lessons Learned from Sanctions, *Technological Forecasting & Social Change*, ۱۲۲, pp. ۱۷۰-۱۷۸.
- **Mohammad Reza Arasti**, Mehdi Khaleghi, Javad Noori (۲۰۱۶), Corporate Level Technology Strategy and its Linkage with Corporate Strategy in Multi-business Companies: IKCO Case Study, *Technological Forecasting & Social Change*, ۱۲۲, pp. ۲۴۳-۲۵۲.
- Fatemeh Hoshdar, Sepehr Ghazinoory, **Mohammad Reza Arasti**, Farhang Fassihi (۲۰۱۶), Technology Planning System for the Iranian Petroleum Industry: Lessons Learned from Sanctions, *Technological Forecasting & Social Change*, ۱۲۲, pp. ۱۷۰-۱۷۸.

- Sepehr Ghazinoory, Maryam Daneshmad, **Mohammad Reza Arasti** (۲۰۱۳), Developing a Model for Integrating Decisions in Technology Roadmapping by Fuzzy PROMETHE, *Journal of Intelligent & Fuzzy System*, No. ۲, vol. ۲۶, pp. ۶۲۰-۶۴۰.
- Soheil Hooshangi, **Mohammad Reza Arasti**, David Hounshell, Sarah Saheb zamani (۲۰۱۳), Evolutionary Learning Methodology: A Case Study of R&D Strategy Development, *Technological Forecasting & Social Change*, No. ۱, Vol. ۸۰, pp. ۹۰۶-۹۲۶.
- Ali Mirzadeh, Seyed Mohammad Moattar Husseini, **Mohammad Reza Arasti** (۲۰۱۲), General Cybernetic Model for Innovation Network Management, Social and Behavioral Sciences, Vol. ۴۱, pp. ۰۷۷-۰۸۶.
- Seyed Babak Alavi, Shora Moteabbed, **Mohammad Reza Arasti** (۲۰۱۰), A qualitative investigation of career orientations of a sample of Iranian software engineers, *Scientia Iranica*, Vol. ۱۹, No. ۳, pp. ۶۶۲-۶۷۳.
- **Mohammad Reza Arasti**, Naser Bagheri Mogaddam (۲۰۱۰), Use of Technology Mapping in Identification of Fuel Cell Sub-technologies, *International Journal of Hydrogen Energy*, No. ۱, Vol. ۳۵, pp. ۹۰۱۶-۹۰۲۰.
- **Arasti Mohammad Reza**, Vernet Michel (۱۹۹۹), Linking Business Strategy to Technology Strategies: A Prerequisite to the R&D Priorities Determination, *International Journal of Technology Management*, Vol. ۱۸, No. ۳/۴, pp. ۲۹۳-۳۰۷.
- **Arasti Mohammad Reza**, (۱۹۹۹), Aide à l'Elaboration de Stratégies Technologiques Cohérentes avec la Stratégie Globale d'Entreprise, *Les Cahiers du Management Technologique*, Vol. ۹, No. ۱, Janvier/Avril ۱۹۹۹, pp. ۹-۱۹.

## Book Chapter

- Javad Noori, Joe Tidd, **Mohammad Reza Arasti** (۲۰۱۲), Dynamic Capability and Diversification, in "From Knowledge Management to Strategic Competence: Assessing Technological, Market and Organisational Innovation", by Joe Tidd, pp. ۳-۲۰, Imperial College Press, ۲۰۱۲.

## Conference Proceeding

- **Mohammad Reza Arasti**, Mehdi Khaleghi (۲۰۱۶), Categorizing Technical Change in a System: Resolving Some of the Shortcomings in Henderson & Clark's (۱۹۹۰) Framework, *Complex Systems Design & Management (CSD&M)*, Paris, France, December ۱۳-۱۴, ۲۰۱۶.
- **Mohammad Reza Arasti**, Mehdi Khaleghi (۲۰۱۶), Analyzing Organizational Capabilities as Systems: A Conceptual Framework, *DSM*, SÃO PAULO, BRAZIL, AUGUST ۲۹ - ۳۰, ۲۰۱۶.
- Hadi Nilforoushan, Cristina Chaminade, **Mohammad Reza Arasti** (۲۰۱۶), Process Approach to Engineered Innovation Networks Failure, ۱۴th International Globelics Conference, Bandung City, Indonesia, October ۱۲-۱۵, ۲۰۱۶.

- Nima G. Mokhtarzadeh, **Mohammad Reza Arasti** (۲۰۱۴), Proposing a Framework for Technology Planning at Industry Level, *R&D Management Conference*, Stuttgart, Germany, June ۳-۶, ۲۰۱۴.
- Nima G. Mokhtarzadeh, **Mohammad Reza Arasti** (۲۰۱۴), Contextual Variables Affecting Technology Planning at Industry Level, *IAMOT*, Washington DC, USA, May ۲۲-۲۶, ۲۰۱۴.
- Ali Mirzadeh, Seyed Mohammad Moattar Husseini, **Mohammad Reza Arasti** (۲۰۱۱), General Cybernetic Model for Innovation Network Management, *International Conference on Leadership, Technology and Innovation Management*, Istanbul, Turkey, December ۲-۴, ۲۰۱۱.
- **Mohammad Reza Arasti**, Mehdi Khaleghi, Javad Noori (۲۰۱۰), The Linkage of Technology Strategy and Overall Strategy of Multi Business Diversified Groups: Literature Review and Theoretical Framework, *PICMET ۲۰۱۰*, Phuket, Thailand, July ۱۸-۲۲, ۲۰۱۰.
- Mojtaba Azizi, Mohammad Javad Sheykh, **Mohammad Reza Arasti**, Mohammad Hosein Sobhiyah (۲۰۱۰), People Capability of Project Based Organizations in Undertaking CoPS, *IPMA World Congress*, Istanbul, Turkey, December ۲-۴, ۲۰۱۱.
- Soheil Hooshangi, **Mohammad R. Arasti**, Sarah Saheb zamani (۲۰۰۸), Crafting a methodology for formation of R&D strategy based on evolutionary epistemology: case study of Iran power industry, *EUROMOT ۲۰۰۸*, Nice, France, September ۱۷-۱۹, ۲۰۰۸.
- Mostafa Beheshti Seresht, Abdul Hamid Modares, **Mohammad Reza Arasti** (۲۰۰۸), A Survey on Different Approaches to New Product Development Strategy, *ICTIM'08*, Ghaziabad, India, April ۱۸-۱۹, ۲۰۰۸.
- Manoochehr Manteghi, **Mohammad R. Arasti** (۲۰۰۸), Javad Noori, Hadi Zebardast, Management of Technology System in Automotive Industry: Case study: Iran Khodro Industrial Corporation, *IAMOT 2008*, Dubai, UAE, April ۶-۱۰, ۲۰۰۸.
- W. David Holford, Mehran Ebrahimi and **Mohammad R. Arasti** (۲۰۰۶), An Alternative Approach to Knowledge Creation and Innovation, *R&D Management Conference*, Taipei & Hsinchu, Taiwan, November ۸-۱۱, ۲۰۰۶.
- **Arasti Mohammad Reza** and Packniat Mohammad (۲۰۰۶), A Classification of Models for Technology Strategy Formulation, *EUROMOT*, Birmingham, UK, September ۱۰-۱۲, ۲۰۰۶.
- **Arasti Mohammad Reza** (۲۰۰۴), A Classification of Methods for Technology Auditing, *PICMET'04*, Seoul, South Korea, July ۲۹-۳۱, ۲۰۰۴.
- **Arasti Mohammad Reza** and Mazloomi Khamseh Hamid (۲۰۰۳), The Fifth School of Management of Technology, *PICMET'03*, Portland, USA, July ۲۹-۳۱, ۲۰۰۳.
- **Arasti Mohammad Reza** and KARAMIPOUR Azita (۲۰۰۳), Identification of a Firm's Strategic Technologies: A Process-based Approach, *IAMOT*, Nancy, France, Mai ۱۳-۱۵, ۲۰۰۳.
- **Arasti Mohammad Reza**, BAKHODA Mohammad, HOSEINY Javad and KARAMIPOUR Mohammad Reza (۲۰۰۳), Obstacles to Knowledge Workers

- Retention in High-Tech Companies of Iran, *Technology & HRM II*, Nice - Sophia-Antipolis, France, Mai ۲۱-۲۳, ۲۰۰۳.
- **Arasti Mohammad Reza**, Vernet Michel (۱۹۹۹), Elaboration de Stratégies Technologiques Cohérentes avec la Stratégie Globale d'Entreprise : Etude de cas, *۷eme Congres International Franco- Quebecois*, Montreal, Canada, May ۱۳-۱۴, ۱۹۹۹.
  - **Arasti Mohammad Reza**, Vernet Michel (۱۹۹۷), A Hierarchical Approach to Evaluation and Selection of Strategic Technologies, *Second International Conference on Advances in Industrial Engineering Application and Practice*, Sanit-Diego, USA, November ۵-۶, ۱۹۹۷.
  - **Arasti Mohammad Reza**, Vernet Michel, (۱۹۹۷), Mécanisme d'Elaboration de Stratégies Technologiques Cohérentes avec la Stratégie Globale d'Entreprise, *۷eme Congres International Franco-Quebecois*, Albi, France, Septembre ۱۱-۱۲, ۱۹۹۷.
  - **Arasti Mohammad Reza**, Vernet Michel (۱۹۹۷), Business Process Reengineering: A Systematic Approach to Link Business Strategy and Technology Strategies, *PICMET '97*, Portland, USA, July ۲۸-۲۹, ۱۹۹۷.
  - **Arasti Mohammad Reza**, Vernet Michel (۱۹۹۶), A Framework for Linking Business Strategies to Technology Management, *First International Conference on Advances in Industrial Engineering Application and Practice*, Houston, USA, December ۰۲-۰۳, ۱۹۹۶.

## Ph.D. Theses Supervised

- **Javad Noori** (۲۰۱۱), Dynamics and Linkage of Business Diversification and Corporate-level Technology Strategy, *Sharif University of Technology, Tehran – IRAN*.  
**Co-supervisor:** Prof. Joe Tidd from University of Sussex (UK).
- **Hadi Nilforoushan** (۲۰۱۲), A Process Approach to Understanding Network Failure in Engineered Innovation Networks, *Sharif University of Technology, Tehran – IRAN*.  
**Co-supervisor:** Prof. Cristina Chaminade from Lund University (Sweden).
- **Nima Mokhtarzadeh** (۲۰۱۳), Contextual Variables Affecting Technology Planning at Industry Level, *University of Tehran, Tehran – IRAN*.
- **Mojtaba Azizi** (۲۰۱۳), Project Management Inter-Organizational Knowledge Transfer, *Tarbiat Modarres University, Tehran – IRAN*.
- **Maryam Daneshmand** (۲۰۱۴), Developing a Model for Integrating Decisions in Technology Roadmapping, *Payam Noor University, Tehran – IRAN*.

- **Ahmad Karimpour** (۲۰۱۶), Developing a Model for Technology Planning of Supply Chain Networks in a Corporation, *Payam Noor University, Tehran – IRAN*.
- **Mehdi Khaleghi** (not finished yet), Development of a Framework for Gap Analysis in Systems Architecting Capability, *University of Tehran, Tehran – IRAN*.
- **Madjid Haghighi** (not finished yet), Development a Participative Leadership Framework in Collaborative Innovation Networks, *University of Tehran, Tehran – IRAN*.

## Industrial and Consulting Experience

- ۲۰۱۶ - ۲۰۲۰, **Project Manager**; Sponsor: SPGC; Subject: Technology Roadmapping for the horizon of ۲۰۲۰.
- ۲۰۱۴ - ۲۰۱۵, **Consultant**; Sponsor: SIPA Corporation (vehicle manufacturer in Iran) <http://www.ikco.com/>; Subject: Corporate-level Strategic Planning.
- ۲۰۰۹ - ۲۰۱۴, **Project Manager**; Sponsor: Ministry of Petroleum of Iran; Subject: Oil & Gas Industry Technology Roadmapping for the horizon of ۲۰۲۰.
- ۰۵/۲۰۰۷-۰۵/۲۰۰۹, **Project Manager**; Sponsor: National Iranian Gas Company, (NIGC) <http://www.nigc.ir/> - affiliated to Ministry of Petroleum of Iran; Subject: NIGC's Technology and R&D Strategy for the horizon of ۲۰۲۰.
- ۰۳/۰۶-۰۸/۰۷, **Consultant**; PeykAsa (A Spin-off Company in the field of telecommunication) <http://www.peykasa.com/>; Subject: Strategic Management of Technology: Strategic Thinking and Business Development.
- ۰۱/۰۶ - Present, **Consultant**; System Groups Corporation (the most reputable software developer in Iran) <http://www.systemgroup.net/>; Subject: Strategic Management of Technology: Linking Technology & Strategy in New Product Development (NPD) Process.
- ۲۰۰۵ - ۲۰۰۶, **Consultant**; Sponsor: Iran Khodro Corporation (the largest vehicle manufacturer in the Middle East) <http://www.ikco.com/>; Subject: Evaluation of MOT System based on TMAP Methodology Developed by University of Cambridge.
- ۲۰۰۵ - ۲۰۰۶, **Consultant**; Sponsor: Niroom Research Center <http://www.nri.ac.ir/> - affiliated to Ministry of Energy of Iran; Subject: R&D Strategy of Electric Power Utility in Iran: R&D portfolio Management.
- ۲۰۰۳ - ۲۰۰۵, **Project Manager**; Sponsor: Iran Renewable Energy Organization (SUNA) <http://www.sun.org.ir/> - affiliated to Ministry of Energy of Iran; Subject: Strategic Planning.
- ۲۰۰۳ - ۲۰۰۵, **Consultant**; Sponsor: Ministry of Energy of Iran; Subject: Fuel Cell Development Strategy in Iran (period of ۲۰۰۵-۲۰۲۰).
- ۲۰۰۰ - ۲۰۰۳, **Project Manager**; Sponsor: Electric Power Technology Development Center (MATN), <http://www.matn.com/> - affiliated to Ministry of Energy of Iran; Subject: Technology Strategy of Electric Power Utility in Iran (period of ۲۰۰۵-۲۰۲۰).
- ۱۹۹۹ - ۲۰۰۰, **Project Manager**; Sponsor: Pars Shahab Company (the largest lamp manufacturer in Iran), <http://parsshahab.com/>; Subject: Identification of the firm's Strategic Technologies using a Process-based Approach.
- ۲/۹۸ - ۱۱/۹۸, **Project Manager**; Sponsor: LANCEY Corporation (Pulp & Paper Company), Grenoble - France, <http://www.papeteriesdelancey.com/>; Subject: Determination of the company investment priorities in technology development coherent with its competitive strategy.

- ۱۹۹۳ – ۱۹۹۴, **Research Assistant**; Sponsor: Shahroud Coal Mine Corporation, Shahroud – Iran; Subject: Determination of the company investment priorities in technology development.
- ۱۹۸۸ – ۱۹۹۱, **Research Assistant**, Sponsor: Shahid Bagheri Corporation (Manufacturing Company), Tehran – Iran; Subjects:
  - Design and implementation of Information System
  - Design and implementation of Quality Control System