

10/2020 - Ongoing

PROFESSIONAL EXPERIENCES

Working on the following projects:
AWESOME-PRIME: Developing a decision-analytic platform based on a multi-level modeling approach capturing the water, food, economic and energy pathway of the Mediterranean countries for long time-horizon.
Research activity in the field of energy-economic modeling. Developing of an open-source energy dispatch model fully integrated with Input-Output model (Python based)
Research activity in the field of energy-economic modeling. Developing of an open-source soft linked energy economic model (python based)
Research activity in the field of industrial ecology modeling. Developing of an open-source library for handling different types of IO models and database management

UNESCO Chair - Politecnico di Milano (Italy) – Research Fellow

07/2019 – 10/2020 Fondazione Eni Enrico Mattei (FEEM-Italy) – Research Fellow

(Python based)

AFRICA: Research, Empowerment, Partnership (REP)

- CIVICS-Kenya: A case study on coffee supply chain in Kenya based on the multidisciplinary, comprehensive, and integrated Country study (CIVICS) framework developed by REP research group in FEEM.
- CIVICS-Ghana: A case study on Maize and Poultry supply chain in Ghana based on the multidisciplinary, comprehensive, and integrated Country study (CIVICS) framework developed by REP research group in FEEM.

01/2015 – 07/2016 Rayan Tahlil Sepahan (Iran) – Research Fellow

AFRICA: Research, Empowerment, Partnership (REP)

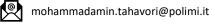
 Development of a new model for body heat transfer by assimilating two older models (Fortran Based) to estimate the temperature of different parts of body while a person is working in a specific manner or certain place and calculation of for calculating Thermal comfort.

EDUCATION

09/2017 – 07/2020 Politencnico di Milano (Italy) – MSc in Energy Engineering for Development

Master's Thesis: Development of a Hybrid Optimization modeling framework based on the dynamic Input-Output model and rectangular choice of technology in a supply and use framework to capture as a fully integrated energy-economic model for the economy-wide future capacity expansion plans and their impact on the environment, labor force and all the sectors of the economy.

09/2013 – 01/2017 Isfahan University of Technology (Iran) – BSc in Mechanical Engineering



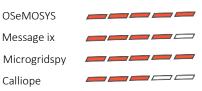
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Programming Languages

Python	
GAMS	
Matlab	

Energy Models



General

Microsoft Office

Languages

Persian: Mother Tongue

English	
Italian	

PUBLICATIONS

- Mosayebidorcheh S, Tahavori MA, Mosayebidorcheh T, Ganji DD. Analysis of nano-bioconvection flow containing both nanoparticles and gyrotactic microorganisms in a horizontal channel using modified least square method (MLSM). Journal of Molecular Liquids. 2017 Feb 1;227:356-65
- Mr. Mohammadreza Pourkiani, Mr. Masoud Abedi and **Mr. Mohammad Amin Tahavori**, Improving the Quality of Service in WBSN Based Healthcare Applications by Using Fog Computing. IEEE conference 2019

INTERSTS

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- Energy Modeling Sustainable Development

EXTRACURRICULAR ACTIVITIES

- Reading:
 - Philosophy (Favorite Authors: F. Nietzsche, A. Schopenhauer)
 - Psychology (Favorite Authors: I.D Yalom)
 - Novel (Favorite Authors: Dostoyevsky)
 - Politic and History
- Cinema (Favorite Directors: A. Hitchcock, Billy Wilder, John Ford, Ingmar Bergman)
- Musician:
 - o Drums
 - o Cajon
 - o Daf
 - o Tonbak

I hereby authorize the treatment of my data in compliance with the Italian Legislative Decree 196/2003