

Narges Bahmanpour

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EDUCATION

December 2019-date, Postdoctoral Research in Philosophy of Science, Sharif University of Technology

2010-2014, PhD in Physics, Imperial College London

Thesis: Theory of Ultrafast Interatomic (Intermolecular) Electronic Decay Processes in Polyatomic Clusters

2005-2009, MSci (Hons) in Astrophysics, University College London: 1st class

Dissertation: Calculating Correlation Function of Galaxies in a Dark Energy Survey (DES) Simulation

Core modules: Quantum Mechanics, Mathematical Techniques, Scientific Measurement, and Cosmology

2003-2005, 4 'A' Levels, St. Gregory's Roman Catholic Science College, London

Physics (A), Mathematics (A), Chemistry (A), Biology (B)

PROFESSIONAL EXPERIENCE

May 2023 to date: Researcher, Institute for Cognitive Science & Sharif University of Technology, Tehran, Iran

December 2022 to date: Simultaneous Interpreter, Vofour Institute, Tehran, Iran

- Interpreting webinars and workshops on ISTDP (Intensive Short-Term Dynamic Psychotherapy) in real time.

October 2022 to date: ISTDP English Discussion Workshops for Therapists, Vofour Institute, Tehran, Iran

December 2019 to January 2022: Lecturer in Philosophy of Physics, Sharif University of Technology, Tehran, Iran

Feb 2019 to April 2020: Physics Consultant, Ray Technology, London, UK

- Researching, analysing and solving customer's problems in physics projects
- Writing physics and optimisation algorithms in MATLAB
- Providing regular, comprehensive reports and presentations to update customer on the progress of project

Oct 2007 to Jan 2008: observatory demonstrator, University of London's Observatory

- Supervised clear-night observations, making sure undergraduate students operated large telescopes safely.
- Addressed students' problems on data analysis, and advised them on software-specific questions.

ARTICLES

Interatomic Coulombic decay rate in endohedral complexes, *Journal of Physics B: Atomic, Molecular and Optical Physics*, July 2020. (Second author)

PROGRAMMING EXPERIENCE

- Familiar with MATLAB. Projects include:
 - o Optimization for the simultaneous retrieval of optical constants and Particle Size Distributions in the atmosphere (Feb 2019 to April 2020)

ACHIEVEMENTS

Received the undergraduate *EJ Wignall prize* for outstanding academic achievement from University of London