

## Contact

[nadia.mofidi@gmail.com](mailto:nadia.mofidi@gmail.com)

[www.linkedin.com/in/nadia-](https://www.linkedin.com/in/nadia-mofidi-18745976)

[mofidi-18745976](https://www.linkedin.com/in/nadia-mofidi-18745976) (LinkedIn)

[www.researchgate.net/profile/](https://www.researchgate.net/profile/Nadia_Mofidi)

[Nadia\\_Mofidi](https://www.researchgate.net/profile/Nadia_Mofidi) (Rss)

## Top Skills

Engineering

Fire Protection

Fire Suppression Systems

## Languages

English (Professional Working)

Persian (Native or Bilingual)

Turkmen (Native or Bilingual)

Turkish (Limited Working)

## Honors-Awards

Maatman fellowship

NFPA Fire Protection Engineering

Graduate Support Fund

## Publications

Simulation of Watermist System in ICUs

CFD simulation of water mist and sprinkler system in Resalat tunnel of Tehran

# Nadia Mofidi

Technical Director PhD CEng FIMechE MIFireE - Research and Innovation in Fire Safety

Wandsworth, England, United Kingdom

## Summary

I live life with energy and enthusiasm, finding joy in dancing every day whenever the moment allows. Alongside my passion for life, I am a Technical Director at Hydrock's Fire Safety Division, where I lead research and innovation in fire safety and efforts to enhance engineering workflows, improve service delivery, and foster technical excellence having 15+ years of experience in industry. I focus on driving innovation and ensuring the consistent delivery of high-quality outcomes. My role involves developing and implementing systems and templates that allow engineers to focus on critical design aspects while improving overall efficiency and quality.

Throughout my career, I have led team transformations, particularly in scaling teams and tackling larger, more complex projects. I introduced strategic initiatives that streamlined operations, resulting in project quality.

I am deeply committed to sustainability in fire safety engineering, with a special interest in wildfire risk modelling and the integration of sustainable materials. My leadership extends to industry-wide initiatives, where I lead the development of innovative models for wildfire management. After completing a Ph.D. focused on wildfire dynamics, I continuously push for innovation and growth in the rapidly evolving industry.

Beyond my professional work, I am passionate about supporting women's health, particularly raising awareness about endometriosis, a condition I have experienced firsthand. I actively advocate for better understanding and support for those affected, encouraging anyone who needs advice or support to reach out. I am also a STEM Ambassador, with a focus on inspiring the next generation through primary school outreach, empowering young minds to explore the world of science and engineering.

---

## Experience

## Hydrock

2 years

Technical Director in Research and Innovation (Fire Safety Division)

November 2023 - Present (1 year 2 months)

London, England, United Kingdom

Technical Director (Fire Safety Division)

April 2023 - November 2023 (8 months)

Bristol, England, United Kingdom

Southwest and Wales

Associate fire engineer

January 2023 - March 2023 (3 months)

## UCL

Visiting Researcher

August 2024 - Present (5 months)

Greater London, England, United Kingdom

UK Green Building Council (UKGBC)

Steering and Modeling Lead in Wildfires - UK Resilience Roadmap

October 2023 - Present (1 year 3 months)

Greater London, England, United Kingdom

## Foster + Partners

2 years 11 months

Associate Partner, Senior Fire Engineer

April 2022 - December 2022 (9 months)

London, England, United Kingdom

Associate, Senior Fire Engineer

February 2020 - March 2022 (2 years 2 months)

London, United Kingdom

## Worcester Polytechnic Institute

Teaching Assistant

January 2017 - May 2020 (3 years 5 months)

Worcester, Massachusetts

## Narfoamkar

6 years 8 months

## Project Manager

May 2014 - December 2016 (2 years 8 months)

Tehran, Iran

Define and clarify project scope

Develop project plan

Develop project schedule

Defining project baselines

Tracking project progress

Project status reporting

## Fire Protection System Designer

May 2010 - May 2014 (4 years 1 month)

Tehran Province, Iran

Assist moderately complex engineering assignments

Prepare engineering documents and drawings.

Utilize engineering design software.

Provide technical guidance to management if required

## TNP Co.

Design engineer

March 2009 - August 2009 (6 months)

Tehran, Iran

---

## Education

### UCL

Doctor of Philosophy - PhD, Civil Engineering · (September 2021 - August 2024)

### UCL

Doctor of Philosophy - PhD - visiting, Fire Engineering · (February 2020 - August 2021)

### Worcester Polytechnic Institute

Doctor of Philosophy - PhD, Fire Engineering · (January 2019 - August 2021)

### Worcester Polytechnic Institute

Master's degree, Fire Science · (2017 - 2018)

### Rajae University of Tehran

Bachelor of Science (BS), Mechanical Engineering

