

Evgenia Leivadarou (Jenny)

Professional Experience

Innovation Engineer – Hellenic Petroleum Group of Companies, Athens, GR (10/19 – 05/21)

Division of Strategic Planning & New Activities:

- Head of R&D, managing 14 programs, supported by National and European funds, focused on alternative energy sources, digitalization, biofuels and energy efficiency.
- Analysis of long-term technological trends on energy and transportation with a special focus on the energy transition towards lower CO2 emissions, proposing new activities and services.
- Following competitive business trends and conducting cost benefit analysis for new activities.
- Support of innovative technologies and provision of guidance for startup companies.

Division of International Relations:

- Advocacy in Fuels Europe Governing Bodies and consultation on energy policies.

Technology Consultant – UN Headquarters, USA (home based, in parallel with my PhD) (11/18 – 3/19)

- Policy drafting on green buildings/technologies, ocean protection (oil spills, nuclear waste, plastic) and water resources management.
- Worked on background papers in support of the Sustainable Development Outlook 2019.

Urban Planning Engineer – UN Headquarters, USA (in parallel with my PhD) (07/18 – 09/18)

- Worked for the Facility Management Section on inclusion, urban planning, campus design, and accessibility solutions in the headquarters (UN Secretariat ST/SGB/2014/3, ADA standards).
- Assisted in the design and I was the first person who tried the wheelchair access to the General Assembly podium. My work reached the Secretary-General of the UN within 3 weeks.

Inclusion Consultant – Queens' college, Cambridge, UK (in parallel with my PhD) (11/14 – 06/18)

- Collaborated with Prof. Stephen Hawking for accessibility in education.
- Ran a fund-raising campaign for the creation of a fund, available for accessibility adaptations. I run this campaign twice and I broke all fund-raising records both times.
- Overall implemented accessibility adaptations for 2 rooms, 3 bathrooms and 4 automatic doors.

Technical Consultant – Prisma Consulting Engineers, Athens, GR (01/08 – 09/13)

- World Bank and European Commission projects: worked in development projects, feasibility studies (budget, technical requirements), design for roads, drainage and flood protection, building construction, land use, environmental protection, extensive use of CAD tools.
- Supervised 2 groups of engineers and 3 groups of CAD designers in buildings' facilities, freeway/road/drainage design, signage and safety, integration of networks and construction.

- Overall: coordinated final design for: Egnatia Odos (>50 km), Aegean Motorway (>300 km), Ionia Odos (>500km), water networks (>1500km) and buildings and leisure areas (>10000m²).

Research Associate - National Technical University of Athens (NTUA), GR (09/05 – 12/07)

- Risk assessments and emergency plans for earthquakes, floods, forest fires, oil spills, environmental pollution and terrorist attacks.
- Master plans for the environmental protection of river basins, case study: Axios-Vardar.
- Designed, implemented and audited ISO 9001:2008, ISO 14001:2008.
- Design and implementation of EPSILON Sustainability model, definition of appropriate indicators, validation of measurement scales, data collection, data processing and testing.

Education

PhD in Applied Mathematics, University of Cambridge, UK (10/14 – 03/19)

- Specialized in fluid dynamics: sustainable cities, green infrastructures, natural ventilation, energy efficiency, environmental protection (air, water, and soil), ocean circulation.
- Set up and ran challenging experiments from scratch, used image and signal processing, data analysis and stochastic modelling connecting fluid dynamics with green technologies/patents.

MPhil in Planning, Growth and Regeneration Policies, University of Cambridge, UK (10/13 – 10/14)

- Focused in economics of development projects, urban planning and policies for growth.
- Conducted research in building energy efficiency and upscaling policies in Europe with a special focus in the UK and GRE.

Cert. in The Challenges of Global Poverty, MIT, USA (distance learning) (02/13 – 05/13)

- Investigated policies against poverty in developing countries and international examples of interventions.

MSc in Water Resources Science, NTUA, GR (10/05 – 06/07)

- Specialized in engineering technologies for coastal infrastructures, water supply and drainage, hydroelectric project design and environmental protection.

MEng in Civil Engineering, NTUA, GR (02/02 – 12/05)

- Design and construction of infrastructures (building, hydraulics, road, transport, geotechnical), urban and rural planning.

Engineering and Technical Skills

- IT: MatLab, AutoCAD, ArcGIS, Archibus smart client, HEC-RAS, HEC-HMS.
- Languages: Greek (C2), English (C2), French (A2) – CEF level.
- Certificates: ISO 9001:2008 Internal auditor, ISO 14001:2000 External auditor - TÜV NORD.
- Teaching: Supervisions in math, civil and mechanical engineering modules, Uni of Cambridge.

Public Engagement

Newspaper articles and several talks in front of members of the parliament and academics.

Examples:

- Guest speaker, Policy Research Seminar, DESA, UNHQ, Sep. 2018, New York, USA
- Keynote speaker, Science festival, Apr. 2018, Athens, GR
- Keynote speaker, Science fair, Nuclear Science and Technology Organization, Sep. 2017, Sydney, AU.
- ICTAM: 24th International Congress of Theoretical and Applied Mechanics, Aug. 2016, Montreal, CA.
- SET for Britain, Mar. 2016, House of Commons, UK.
- APS: 68th Annual Meeting - Division of Fluid Dynamics, Nov. 2015, Boston, USA.

Social Involvement

1. Charitable activities:

- Collaborated with Prof. Stephen W. Hawking for inclusion in academia – Cambridge, UK.
- Mentored 15 underprivileged high school students – The Global Education and Leadership Foundation - Delhi, India.
- Member of the advisory committee - Global Network for Sustainable Development (9/18 – ongoing).

2. Achievements:

- Guest member in matters of inclusion, Economic and Social Committee, European Union (2016-17).
- MCR President, Queens' College, Cambridge, responsible for 500 graduate students (2015-16).
- Several scholarships and awards covering 100% of my Cambridge studies and my health care (£30000/year, 2013-2019). Main funding/support bodies: John S. Latsis Foundation, Engineering and Physical Sciences Research Council, TIMA Charitable Foundation, M. Kulukundis Fund.

