



Hara Papachristou

Ph.D., B.Eng.(Hons)

CFD Engineer

Education/Research

- B.Eng (Hons) University of the Aegean, Chios, Greece.
- Ph.D Cranfield University
“Implicit Large Eddy Simulation of Environmental Urban Flows”
Cranfield, UK

Engineering Experience

- Modelling of flow field using Implicit Large Eddy Simulation
- CFD models of flow fields within tanks and pumping stations
- Design and development of Excel Visual Basic software tools
- Mathematical modelling of Pulse Jet Mixer operation and implementation into code

Consortia

- WWM: Software tools development (Digester and Sludge Tank Mixing Design guide, Sludge Rheology Database, System Losses Tool)
- FMP:CFD models of mixing in static mixers

Achievements

- Annual scholarships for outstanding performance during undergraduate degree

Publications (Author and Co- Author)

- “Implicit Large Eddy Simulation of channel and urban environment flows”, 7th International Conference on Heat Transfer, Fluid Dynamics and Thermodynamics, 2010.
- “Sludge System Pumping Losses: UK Industry Standard is Flawed”, 14th European Biosolids Conference, 2009.
- “CFD & Turbulence Modelling of Contaminant Dispersion in Environmental Flows”, Cranfield Multistrand Conference, 2008

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