

# **Julien Oliver**

Status: PhD candidate (graduated)

Research Topic: Probabilistic flood risk modelling

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## **Education:**

- Ph.D, Nanyang Technological University, Singapore, 2015 -
- M.Sc., Royal Institute of Technology (KTH) , Sweden, 2005-2007
- M.Eng., ENSI CAEN, France, 1998-2001

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## **Working & Research Experiences**

- 2009 to Now, Consultant/ Project Manager, DHI, Singapore
- 2009 to Now, Researcher, DHI-NTU Research Centre and Education Hub, Singapore
- 2009 – 2012, Head of Education and Outreach, DHI-NTU Research Centre and Education Hub, Singapore
- 2008 – Environmental Consultant, WSP, Mozambique
- 2007 – Environmental Consultant, WSP, Sweden
- 2007 – Teaching Assistant Master level, KTH, Sweden
- 2002-2005, Technical manager, ITHEC, Spain
- 2001-2001, IT Engineer, GLMultimedia, France

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## **Research Interests**

- Hydrologic and hydraulic modelling
- Flood hazard and risk modelling
- Flood and hydro-meteorological risk assessment and management
- Real-time flood forecasting and early warning systems
- Decision Support System and software development
- Data mining and statistical analysis
- Training, communication and outreach

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## **Honors & Awards**

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## **Publications**

- Understanding Flood Risks for Better Planning and Resilience: Novel Stochastic Models and Methods for South-East Asia, Journal of Disaster Research, Vol.10 No.2, 2015
- Developing a disaster risk insurance framework for vulnerable communities in Pakistan: Pakistan disaster risk profile, 2014, Report No. 16. Bonn: United Nations University Institute for Environment and Human Security (UNU-EHS).
- Reducing Vulnerability to Flood, 2013, Munich Re - Knowledge Series, Natural Hazards: Severe weather in Eastern Asia