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## While waiting for the next flood...

**Professor Slobodan Djordjevic**

Professor of Hydraulic Engineering

Wednesday 10 June 2015, 5:30pm Lecture, 7:30pm Piano Recital

Frank Oliver Recital Hall, Kay House Duryard, EX4 4RE

Refreshments will be served at 6:30 (after the talk) and at 8:30 (after the concert)



Recent flood events have caused deaths, displacement of people and have had enormous (mostly adverse) direct and indirect impacts. Projections of climate change and of urban growth indicate that the frequency and intensity of floods will increase in many regions, especially in big cities.

The complexities of natural, technological and socio-economic aspects of flooding make it a fascinating and essential research subject. How do we simulate the flow in drainage networks and between buildings? If we forecast rainfall over the next three hours or next three decades, what can we predict based on such forecasts? What's the probability that a child playing in flood water mixed with raw sewage will catch a diarrhoeal disease?

How can deterministic and probabilistic models be merged intelligently? How can resilience to extreme weather events of different kind be evaluated in an integrated manner? How should we educate students, politicians and the public? The challenges to answering the above questions will be discussed in this talk.

Research on flooding and playing music both require imaginative and technical skills. Disasters bring misery and stress, whereas art makes our lives rich.

After the inaugural lecture, Professor Djordjevic will perform some of his favourite jazz, classical and film music.