



# Water Resources in a Changing World: Challenges and Opportunities

By Prof. Vladimir Cvetkovic

*Event organised by:*

Civil Engineering Encounters – Kamra Tal-Periti

SBE Malta – Sustainable Built Environment

Faculty for the Built Environment, University of Malta

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**2<sup>nd</sup> November 2012, Friday, 1900hrs | Radisson Blu Resort, Carlson Suite, St Julians**

**Registration & Coffee @ `1830hrs | Entrance is free | FIRST COME FIRST SERVE BASIS**

**Closing for registration on 31<sup>st</sup> October at noon. Register by email [kamratalperiti@go.net.mt](mailto:kamratalperiti@go.net.mt)**

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## Bio Note:

Professor Vladimir Cvetkovic has been a Professor of Water Resource Engineering at the School of Architecture Surveying and Civil Engineering at KTH in Stockholm Sweden since 1995. He obtained a BS and a MSc in Civil Engineering from the University of Belgrade, a PhD from the Division of Water Resources at KTH in Stockholm. He was conferred the Swedish Decent title in 1989 by the School of Civil Engineering KTH Stockholm and has occupied a post doctoral position at US Geological Survey in the USA.

Professor Cvetkovic has published his research widely with more than 80 peer-reviewed journal publications and over 1900 citations. He has been appointed Fellow of the American Geophysical Union in 2007. He is a panel member for Earth System Science of the newly founded European Research Council.

## Presentation Abstract:

**Water Resources in a Changing World: Challenges and Opportunities:** Changes to Earth's freshwater systems are central in global change. They affect people and ecosystems. Scientists attempt to understand the water systems and their changes, contribute to improve freshwater security, and help protect and restore water environments and ecosystems. We study water quantity and quality, and how water flows and carries other substances and energy through the landscape - locally, regionally and globally, and from the past, through the present, towards the future. In this talk an overview of the key water resources issues will be briefly presented, as they relate to different parts of the world. Specifically we shall summarize challenges for soil and groundwater, lakes and rivers, wetlands, coastal zones as well as engineered water systems including water purification technology. A few examples will be given of how to link different components of water systems operationally which is becoming increasingly important for better use of existing water resources. Finally, some recent developments and potential solutions of particular interest in Malta are presented.



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