

## Energy Colloquium

# Next Generation Reservoir Engineering: Implementing the Science for Future Energy and Minerals Resources

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The University of New South Wales

**14 March 2017, 16:00**

**Skolkovo Innovation Center**

**Technopark, Building 3, Room 402**



### **ABSTRACT:**

This talk presents an invitation participate in an international research initiative that provides the fundamental science basis for reducing uncertainties in harvesting resources from conventional and unconventional reservoirs. The approach aims specifically at safely unlocking resources that are deeper and hotter than ever reached before. Such unconventional resources are Geothermal Energy, Shale gas, Shale Oil, Tight Gas, Coal Bed Methane. They are trapped in a low porosity/permeability environment and are difficult to produce. We propose to tackle this challenge through a new multidisciplinary fundamental science approach. We combine a recent multiphysics, multiscale geomechanics theory with laboratory and modern computational assisted petrophysics and material science concepts.

**Non-Skoltech attendees should request access to the building in advance by sending their passport details to [energy.colloquium@skoltech.ru](mailto:energy.colloquium@skoltech.ru)**

**Colloquium schedule and information on how to get to the colloquium can be found at <http://www.skoltech.ru/en/energy-colloquium/>**