## 2012 年 6 月 7 日，星期四

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| **上午报告地点：逸夫楼一楼会议厅　　主持人：姚军教授** | |
| 08:30 - 08:40 | 开幕式致辞 |
| 08:40 - 09:20 | 1—Brief history and evolution of digital rocks physics<br>*Chin Leong LIM, Ex-Chairman of Asia, Schlumberger; Executive Director, iRock Technologies, China* |
| 09:20 - 10:00 | 2—Two- and three-phase relative permeability in mixed-wet porous media: experimentation and physically-based pore-scale modeling<br>*Mohammad PIRI, Associate Professor, University of Wyoming, USA* |
| 10:00 - 10:30 | **茶歇，集体照相** |
| 10:30 - 11:10 | 3—Multilength scale 3D x-ray imaging of digital rock analysis to 30nm<br>*Wenbing YUN, Founder&CTO, Xradia, USA* |
| 11:10 - 11:50 | 4—Digital core technology for multiscale multiphase flow and physical properties<br>*Kejian WU, Research Fellow, Heriot-Watt University, United Kingdom* |
| **下午报告地点：逸夫楼一楼会议厅　　主持人：Dr. Kejian WU** | |
| 14:30 - 15:10 | 5—The application of digital core in unconventional oil & gas field<br>*Jun YAO, Professor, China University of Petroleum (Huadong)* |
| 15:10 - 15:50 | 6—Multiphysics approach to rock characterisation<br>*Keyu LIU, Principal Research Scientist, CSIRO, Australia* |
| 15:50 - 16:20 | **茶　歇** |
| 16:20 - 17:00 | 7—Rapid non destructive method for 3D mineralogy and Texture of mining ores- from base metal, precious metal to coal<br>*S H LAU, Vice President of Business Development, Xradia, USA* |
| 17:00 - 17:40 | 8—Network modelling of multi-phase flow in fracture-pore systems<br>*Zeyun JIANG, Research Fellow, Heriot-Watt University, United Kingdom* |

## 2012 年 6 月 8 日，星期五

| 上午报告地点：逸夫楼一楼会议室　主持人：**Dr. Wenbing YUN** | |
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| 08:30 - 09:10 | 9—Digital rock physics on shale<br>*Sven ROTH, Technical President, iRock Technologies, China* |
| 09:10 - 09:50 | 10—Permeability upscaling for carbonates from the pore-scale using multi-scale Xray-CT images<br>*Christoph ARNS, Associate Professor, New South Wales University, Australia* |
| 09:50 - 10:20 | 茶　歇 |
| 10:20 - 11:00 | 11—Using single-molecule imaging system combined with nano-fluidic chips to understand fluid flow in tight and shale gas formation (I)<br>*Baojun BAI, Associate Professor, Missouri University of Science and Technology,USA* |
| 11:00 - 11:40 | 12—Using single-molecule imaging system combined with nano-fluidic chips to understand fluid flow in tight and shale gas formation (II)<br>*Xiaolong YIN, Assistant Professor,Colorado School of Mines, USA* |
| 下午报告地点：逸夫楼一楼会议室　主持人：**Dr. Hu DONG** | |
| 14:30 - 15:10 | 13—Grey lattice Boltzmann method for simulating pore-scale fluid flow<br>*Jingsheng MA, Research Fellow, Heriot-Watt University, United Kingdom* |
| 15:10 - 15:50 | 14—The role of equivalent digital core and virtual rock physical experiment in model evaluation of FWI<br>*Wenhui YU, Professor, China University of Geosciences, Wuhan* |
| 15:50 - 16:20 | 茶　歇 |
| 16:20 - 17:00 | 15—Application of digital rock technology to saturated rock friction mechanism under ultra-high pressure and temperature<br>*Bojing ZHU, Associate Professor, Chinese Academy of Sciences* |