Petroleum Reservoir Characterization

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Overview

Petroleum reservoir characterization is an integral step in developing and oil and gas field for production. Information on the petroleum reservoir provides vital inputs for the reservoir models which can then be used for reservoir management. This course will provide details on the various steps being used to characterization a reservoir.

Core analysis plays an important role in the reservoir characterization and in the oil recovery process and all field studyprojects. Thus, understanding of the important reservoir properties derived from differentlaboratory measurement methods is the first step towards study oil and gas reservoirs.The course is a combination of theory, and description of different techniques related tothe core analysis. Main subjects include Routine and SCAL core analysis and how toperform and design of the laboratory experiments.

Course participants will learn these topics through lectures. Also case studies and assignments will be shared to stimulate research motivation of participants.

Dates for the Course	**26th February to 4th March, 2017**
Host Institute	**IIT Madras**
No. of Credits	**1**
Maximum No. of Participants	**60**
You Should Attend If…	▪ You are aPetroleumEngineer/Chemical Engineer or research scientist interested in understanding the petroleum reservoir, and it characterization. ▪ You are a student or faculty member from academic institution interested in learning insights into reservoir engineering. ▪ You are working in an upstream industry and interested in petroleum reservoir engineering.
Course Registration Fees	The participation fees for taking the course is as follows: **Student Participants:**Rs. 1000 **Faculty Participants:**Rs. 6000 **Government Research Organization Participants**: Rs. 10000 **Industry Participants:** Rs.10000 The above fee is towards participation in the course, the course material, computer use for tutorials and assignments, and laboratory equipment usage charges. **Mode of payment: Demand draft in favour of "Registrar, IIT Madras" payable at Chennai** The demand draft is to be sent to the Course Coordinator at the address given below.
Accommodation	The participants may be provided with hostel accommodation, depending on the availability, on payment basis. Request for hostel accommodation may be submitted through the link: http://hosteldine.iitm.ac.in/iitmhostel

Course Faculty

Dr. Hassan Karimaie has more than 25 years of experience inupstream oil and gas industry. After graduation in PE in 1991, heworked as Reservoir Engineering with National Iranian Oil Company (NIOC) and studied a number of fractured reservoirs in southern Iran. In 2002, he joined Norwegian University of Science and Technology (NTNU). He has carried outnumerous reservoir studies on various reservoirs in Middle East, Europe and Africa. He is an expert with vast industrial exposure on SCAL modelbuilding using laboratory data, reservoir simulation, and enhanced oilrecovery studies. He also worked with Sintef Petroleum, Weatherford, Statoil and AkerSolutions before moving to current organization. His research interest include Special core Analysis (SCAL), CO2 EOR and storage, recovery mechanism in heavy oil and fractured reservoirs.

Dr.Jitendra S. Sangwai is currently working as an Associate Professor in the Petroleum Engineering Program, at Indian Institute of Technology (IITM) Madras, Chennai, India. He holds a M. Tech. and Ph. D. in Chemical Engineering from IIT Kharagpur and IIT Kanpur, respectively. He worked with Schlumberger for a brief period before moving to academics. His research interest lies mainly in the field of gas hydrates, enhanced oil recovery, rheology of complex fluids, and nanotechnology for oil and gas engineering.

- Last date of registration for this course using below website URL link: 15th January 2017.
- Only 60 seats are available.
- Only selected candidates will be intimated through e-mail by the course coordinator.
- Intimation of selection to the course will be done regularly on first-come-first serve basis.
- Last date for the intimation of selection will be 25 January 2017.
- Any request to register after deadline can be considered if the vacancy is available. For this, please contact on below email id.
- Certificate will be provided to all the participants.
- Send the demand draft in favour of "Registrar, IIT Madras" payable at Chennai on below address as soon as possible to confirm your registration

Course Coordinator

Name: Dr. Jitendra Sangwai
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E-mail: gianpeiitm@gmail.com

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URL:
http://www.gian.iitkgp.ac.in/GREGN/index

Course ID: **161003C04**

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