



**SHASTRI CONFERENCE AND  
LECTURE SERIES GRANT  
(SCLSG) 2021-22**



**Funded by:  
Shastri Indo-Canadian Institute**

**Insight into non-thermal to thermal EOR  
and Environmental Impact of Modern  
Petroleum & Chemical Industry**



**Register for this: <https://bit.ly/3JvrUht>**

**Department of Petroleum Engineering,  
IIT(ISM) Dhanbad**

**Organizing Team:**

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Department of  
Petroleum Engineering  
IIT (ISM), Dhanbad



## Shastri Lecture Series 2021-22

### EOR NON-THERMAL TO THERMAL: PROPERTIES AND CHALLENGES

Join Us via ZOOM on

**SAT  
DAY**

**FEB  
26**

**08:00-09:30  
PM**



**PROF. HEMANTA K SARMA**

Professor Oil & Gas Engineering  
Dept. of Chemical and Petroleum  
Engineering University of Calgary

#### ABOUT THE SPEAKER

Dr. Sarma holds a B.Tech. (First Class Honours in Petroleum Engineering), Indian School of Mines, India, 1978, an M.Sc. (Chemical Engineering with specialization in Petroleum Reservoir Engineering), University of Calgary, Calgary, Canada, 1984, and Ph.D. (Petroleum Engineering), University of Alberta, Edmonton, Canada, 1988.

Dr. Hemanta Sarma is a Professor of Oil and Gas Engineering at the University of Calgary.

Currently he serves as the 2020-22 International External Examiner for Petroleum Engineering Programme as an appointee of the University Senate of Universiti Teknologi PETRONAS (UTP) of Malaysia.

He began his professional research career in 1989 at the Petroleum Recovery Institute, Calgary, which was later merged with the Alberta Research Council, where he held the position of a Senior Staff Reservoir Engineer. While with the Alberta Research Council, he served as an Invited Research Advisor (1993-2000) at the Technology Research Center of the erstwhile Japan National Oil Corporation, Chiba, Japan, where he had participated in its domestic and international R&D and field pilot projects. He has published extensively, authoring over 180 journal and conference papers, and has offered several specialized courses in EOR and reservoir engineering in various locations around the world.

Dr. Sarma has been highly recognized for his professional contributions by the Society of Petroleum Engineers (SPE), having been elected as an Honorary Member in 2020, the highest honor that SPE bestows on an individual member. Earlier, he was awarded Distinguished Membership in 2009, Distinguished Service Award in 2018, and in 2019, SPE's highest international service recognition, the DeGolyer Distinguished Service Medal, which is awarded annually to only one member from and amongst its worldwide membership.





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## Shastri Lecture Series 2021-22

# RESERVOIR CHARACTERISATION AND HOW RESERVOIR ENGINEERING STUDIES ACCOUNT FOR IT

Join Us via ZOOM on

**FRI  
DAY**

**MAR  
04**

**08:00-09:30  
PM**



**MR. SHYAMAL BHATTACHARYA**

Independent Reservoir Management  
Adviser and Ex-Director (Operations)  
ONGC Videsh Limited

### ABOUT THE SPEAKER

Mr. Shyamal Bhattacharya has a rich 44+ years' experience and successful track record as an Oil & Gas Management Professional. Currently he is working as Independent Reservoir Management Adviser and Consultant to E&P companies and is also engaged full time as Director Oil & Gas Field development in JOSLER HYDROCARBON INDIA PVT. LTD. and engaged with ISM (IIT) Dhanbad as adjunct Professor for taking M-Tech & B-Tech classes. He is also taking classes at MIT, Pune as visiting professor. After his superannuation from ONGC as Director (Operations), ONGC Videsh in October 2014, he was engaged as advisor to ONGC group of companies and then in Gujarat state Petroleum Corporation Ltd. Up to October 2016. A Geoscientist par excellence, he has held key positions in ONGC during the postings at different locations across the country. He has managed the global operations of 11 assets spread across 9 countries with effective control and constant performance improvement through implementation of optimum exploitation strategy, project management, resource management and managing relationships with international partners. He was also involved in acquisition of oil gas properties to increase the country's hydrocarbon portfolio.

Mr Bhattacharya had got his Advance Diploma in Management (ADIM) from Indira Gandhi National Open university (IGNOU) in 2011, his SDM from Indira Gandhi National Open university (IGNOU) in 1993, a B-Tech (Honors) in Petroleum Engineering from Indian School of Mines, Dhanbad in 1976.





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## Shastri Lecture Series 2021-22

# CO<sub>2</sub> SEQUESTRATION AND HOW IT CAN BE ACHIEVED CONCOMITANTLY THROUGH EOR

Join Us via ZOOM on

**SAT  
DAY**

**MAR  
26**

**08:00-09:30  
PM**



**PROF. HEMANTA K SARMA**

Professor Oil & Gas Engineering  
Dept. of Chemical and Petroleum  
Engineering University of Calgary

## ABOUT THE SPEAKER

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## Shastri Lecture Series 2021-22

### ENVIRONMENT IMPACT OF MODERN CHEMICAL AND PETROLEUM INDUSTRY AND ITS MANAGEMENT

Join Us via ZOOM on

**WED  
DAY**

**MAR  
30**

**06:00-07:30  
PM**



**PROF. B.C. MEIKAP**

Professor and Head of Department  
of Chemical Engineering  
IIT Kharagpur

#### ABOUT THE SPEAKER

Dr. Bhim Charan Meikap holds Ph.D. from the Indian Institute of Technology, Kharagpur, 2001 in Chemical Engineering, MTech. from the Indian Institute of Technology, Kharagpur, 1992 in Chemical Engineering, B. Tech. from University of Calcutta, 1990 in Chemical Engineering. And B. Sc. (Hons) from University of Calcutta 1986 in Chemistry. Currently he is Professor & Head of Chemical Engineering in IIT Kharagpur. He is having 30+ years of teaching and research experience. Dr. Meikap has been received many distinguished awarded; Excellence Award by NBCFDC, Ministry of Social Justice, Govt. of India awarded to IIT Kharagpur for demonstrating successfully the CSR project. (2019), Hetero Drugs Prof. G. S. Laddha CHEMCON Distinguished Speaker Award 2017" of Indian Institute of Chemical Engineers (II-ChE-2017) and many more. He has three patents to his name, has written and collaborated in six books and published over 175 research papers in journals.

Dr. Meikap is admitted as Fellow, Royal Society of Chemistry (FRSC) and Fellow, Institution of Engineers (India) (FIE). He is also member of many Professional Societies and also Editorial Board Member of many Journals (Mineral Processing and Extractive Metallurgy Review: Taylor & Francis, South African Journal of Chemical Engineering (Elsevier), Journal of Fluids and many more).