

NANO FOR ENERGY: MICRO AND NANOSENSORS BOOST ENERGY PRODUCTION

Online Seminar: 19th February, 15.00- 16.00 GMT

Jay Kipper, Associate Director, Advanced Energy Consortium, The University of Texas at Austin
Sean Murphy, Manager, Advanced Energy Consortium, The University of Texas at Austin

Advanced Energy Consortium (AEC) is a multimillion-dollar research consortium dedicated to the development of micro and nanotechnology applications to increase oil and gas production. The consortium's primary goal is to develop intelligent subsurface micro and nanosensors that can be injected into oil and gas reservoirs to help characterize the space in three dimensions and improve the recovery of existing and new hydrocarbon resources. By leveraging existing surface infrastructure, the technology will minimize environmental impact.

Geoscientists believe that more oil and gas can be extracted by improving their understanding of the chemical and physical characteristics of existing oil and gas reservoirs. Using current technology, typically 60 percent of oil remains underground after primary, secondary and in some cases even tertiary recovery methods. Members of the privately funded consortium include BP America Inc., Baker Hughes Incorporated, ConocoPhillips, Halliburton Energy Services Inc., Marathon Oil Corp., Occidental Oil and Gas, and Schlumberger.

Speaker Profile:

Jay Kipper

Associate Director, Advanced Energy Consortium
Bureau of Economic Geology
The University of Texas at Austin

Jay Kipper is Associate Director at the Bureau of Economic Geology at the University of Texas at Austin. At the bureau Jay serves a dual role of Chief Financial Officer (CFO) and Chief Operating Officer (COO). His technical involvement at the bureau includes helping create and manage the Advanced Energy Consortium (AEC). As part of this team Jay is deeply involved in technology development, contractual provisions and day-to-day operations. Prior to joining the Bureau, Jay worked 22 years at Aspen technology. He has consulted in over 40 countries and 6 continents. Jay received his chemical engineering degree from Trinity University in San Antonio, Texas.

Sean Murphy

Manager, Advanced Energy Consortium
Bureau of Economic Geology
The University of Texas at Austin

Sean Murphy is the Program Manager for the Advanced Energy Consortium. At the consortium for eight years, Sean's learned to appreciate leveraged return through collaborative research, multi-cultural and multi-company diversity, and the discipline required to focus an industry on demanding technology goals. He began his career in Texas in the early 1980's, at Marathon Resources and moved to Austin to join Motorola, working in semiconductor process development, marketing, and research and development, and while working full-time at Motorola, he completed an MBA at the Univ. of Texas. After managing lithography technology alliances and Motorola's investment, assignees, and technology transfer at industry consortia, Sean left to join SEMATECH, an Austin-based semiconductor research consortium. Sean has degrees in Geology from the College of William and Mary and the University of Georgia.

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Participation and Enquiries: If you would like to join the event, please send an email to: Tiju Joseph, Sensors & Instrumentation KTN, Tel: +44 (0) 20 8943 6594, tiju.joseph@npl.co.uk

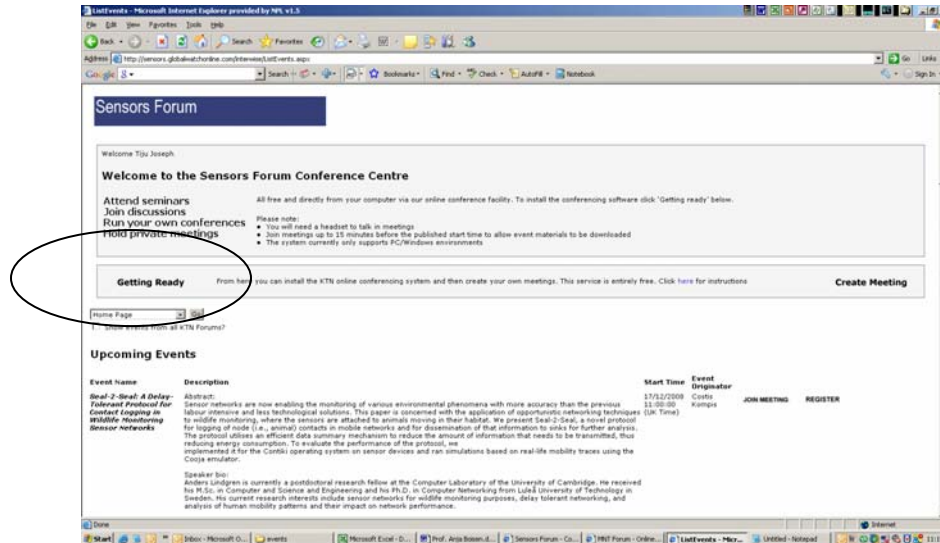
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