SPE WRM 2018 training:  **HALF-DAY**  Monday April 23 (p.m.)

**“Industrial IOT’s – Oilfield Automation at Lower Total Cost of Ownership”**

$100 for all, and $50 for students  *(Sponsored by USC and Intel)*

**Description**
This short course will discuss various “Industrial Internet of Things (IIoT)” technologies and their application to oilfield automation. The purpose of IIoT’s is to integrate sensing, communications and distributed analytics capabilities in helping the petroleum industry better manage existing assets at lower TCO. The goal is improving asset visibility and reliability, optimizing operations, and creating new value.

**Learning Objectives**
The emergence of IOT’s in oilfield operation requires new skills sets and this course is intended to update the oilfield professionals.

**Learning Level:** Familiarity with oilfield practices

**Course Length:** ½ days

**Why You Should Attend:** A quick update on evolving technologies and their application in oil & gas.

**Who Should Attend:** This course is for oilfield professionals who would like to expand their knowledge and skill-set in Automation of oilfields using IIoT.

**CEUs:** 0.2 CEUs (Continuing Education Units) will be awarded for this 1/2-day course.

**Special Requirements:** None;

**Cancellation Policy:** To receive a full refund, all cancellations must be received in writing no later than 14 days prior to the course start date. Cancellations made after the 14-day window will not be refunded. Send cancellation requests by email to  Francois.florence@gmail.com

**INSTRUCTORS**

Introduced by DONALD PAUL. He is the Executive Director of the Energy Institute and holds the William M. Keck Chair of Energy Resources at the USC. He is a SPE Distinguished Member (2017), and received SPE Management and Information Award (2011). Dr. Paul had a distinguished career at Chevron, retiring in 2008 as the corporation's Vice President and Chief Technology Officer. He was also the President of Chevron Canadian. Dr. Paul's public service record is expansive. He was part of the 1997 Presidential Panel on Federal Energy Research and Development, the National Research Council, the Freedom Car and Fuel Board, and the 2007 landmark study by the National Petroleum Council for the Secretary of Energy. He was an advisor at MIT, Harvard, Rice, the University of Texas, energy companies, and technology firms. Dr. Paul is a graduate of the Massachusetts Institute of Technology, where he received a B.S. in applied mathematics, a M.S. in geology and geophysics, and a Ph.D. in geophysics.
LOUIS DESROCHES is the Senior Product Line Manager - IoT Solutions for Oil & Gas, Intel Corporation. He has worked 29 years with Schlumberger. He started as a wireline field engineer in Alberta, Canada, California, USA and Borneo, Indonesia; followed by various assignments (operation management, corporate business development, strategy, M&A, and sales) worldwide (Asia Pacific, Europe, Latin America, North America, Africa). He also has a Consulting firm and worked as Chief Strategy Officer with OVS Group LLC. Mr. Desroches graduated with a degree in BS Mechanical Engineering from University Laval, Québec, Canada.