Department of Engineering Science
Announces 4th lecture of the
Engineering Science Lecture Series
Academic Year 2017-2018

This is a series designed to benefit the Sonoma State students and faculty in the School of Science and Technology, high tech and biotech industries and related businesses and community in the North Bay Region.

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The Lecture Series covers a broad range of topics with focus on recent developments and trends and provides a platform for the exchange of ideas among the audience.

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Attendance is open to the students, faculty and staff of SSU and other academic institutions, engineers and scientists from industries, members of the business community and members of the community, in general. A parking permit is required to park on campus, and is available for $5.00 at machines in the parking lots. Talks are otherwise free.

**Days & Dates:** 1st & 3rd Thursday of every month
**Venue:** Cerent Engineering Science Complex, Salazar Hall Room #2009A
**Reception:** 4:00 to 4:30 p.m.
**Lecture:** 4:30 to 5:15 p.m.
**Q&A:** 5:15 to 5:30 p.m.

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“IoT Testing Challenges”
by
Mr. Rob Rowlands, Senior Account Manager, Gap Wireless

Thursday, October 19, 2017

**Abstract** - The Internet of Things (IoT) promises much but has yet to deliver to scale. As devices are rolled out their viability has to be confirmed, not only as discrete elements, but as part of a whole ecosystem. Issues of power management, congested or sketchy communications, scalability of cloud visualization etc. must be validated before commercial deployment is possible. Testing at each level is possible with standard industry tools and will be discussed in this talk, together with live demonstrations.

**Mr. Rob Rowlands** Rob received a Bachelor of Engineering degree in electrical engineering from the University of Canterbury in Christchurch, New Zealand in 1971. He was a Transmission Engineer in the NZ Post Office for 22 years, followed by 21 years with HP and Agilent in the SF Bay Area in Business Development and sales of communications test equipment. He is semi-retired but still selling test equipment for Gap Wireless. Rob is a life member of IEEE.

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**Acknowledgement**
The ES Lecture Series is supported by the local industry including Keysight Technologies.

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**Upcoming Lectures**

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<td>Gold Foams as Advanced Biomedical Device Coatings</td>
<td>Dr. Erkin Şeker, Assoc. Prof., EE Dept., UC Davis, CA</td>
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<td>Nov 16</td>
<td>Building a Software Defined Radio Application in 7 min</td>
<td>Mr. Mohammad Salah, R&amp;D Engineer, National Instruments</td>
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