

# IEEE Eurasian Outreach Workshop on Internet of Things Applications, 2017

Nazarbayev University, Astana

The CASS outreach workshop in IoT Applications were organised on Sep 5 to Sep 7, 2017, in Astana at Nazarbayev University. The event was attended by more than 100 participants that included students, industry representatives and university faculty. The events workshop can be found in <http://www.ieeeekz.org/iot-workshop-2017/>.

The event features several interesting talks such as Re-engineering Computing with Neuro-inspired Learning: Devices, Circuits, and Systems by Prof Kaushik Roy from Purdue University, and Recent Advances in Monitoring of Civil Infrastructure by Bille F Spencer, Jr., University of Illinois Urbana-Champaign. There were several industry talks such as IBM, and start-up companies in the areas of IoT applications including geoinformatics, industry 4.0 and cognitive computing.

The provost of Nazarbayev University, Prof Adesida Ilesanmi, gave the inaugural speech and highlighted the importance of sensor technologies and data analytics for future IoT applications. The event was further supported by IEEE Kazakhstan subsection, and IEEE Student Branch. The program was chaired by Prof Alex James, who highlighted the significance of on-chip neuromorphic solutions and edge computing for IoT applications.



Along with the workshop, a poster and design competition for the engineering students were organised. The design competition focussed on presenting a working IoT application, which might have potential to be developed as a product. In this category, the workshop featured presentations from recent engineering graduates on their projects, start-up companies featuring their products etc. While the poster competition focussed on original research ideas, that is an early presentation of ideas for feedback and review. In this category, several masters and PhD students presented their works. The best projects and ideas were awarded certificates of merit, and also offered technical support, and workshop provided a forum to network with local industry. Overall, the event was very well received by the participants, and unanimously indicated the support for more such events. Following this event, two similar events were organised one in Oskemen, and another one in Almaty, with the support of IEEE Kazakhstan subsection.









