



SCDT – FlexE Centre Webinar Series

The webinars aim to bring together researchers in Flexible Electronics and allied areas from across India (and other countries) on a single platform to promote professional interaction.

Webinar by



Dr. Deok-kee Kim

Professor
Department of Electrical Engineering
Sejong University, Seoul, South Korea

on
“Flexible memories for power efficient
transistor and neuromorphic
applications”

Date: 13th December, 2022

Time: 7:30 PM to 8:30 PM

Visit www.iitk.ac.in/scdt/webinars.html
to access the zoom link to join the
webinar.

Abstract of the Webinar

Flexible electronics provides opportunities to take alternative approaches than conventional electronics. There is scope to build systems that apply neuromorphic approaches to solving problems. They also have the potential to use less power compared to conventional electronics. This talk will discuss some flexible memories for power efficient transistors and neuromorphic applications.

Information about the speaker

Professor Deok-kee Kim is currently a professor in the department of electrical engineering at Sejong University, Seoul, South Korea. Since April 2020, he has also been serving as the Director of the Division of Nano and Semiconductor Technology of the National Research Foundation of Korea. Prof. Kim completed his BS degree in Seoul National University in 1993. Then he completed the mandatory military service for the Republic of Korea for two years, holding the rank of a Sergeant. He then joined Stanford where he went on to complete his PhD degree in Materials Science and Engineering in 2000 December. After a stint as Advisory Engineer at IBM’s Semiconductor R&D Centre in Hopewell Junction, New York from December 2000 to February 2007, he returned to Korea to join as the Principal Engineer at the Semiconductor R&D at Samsung Electronics Corporation where he worked till February 2011. He then returned to academia, joining Sejong University where he has been working ever since.