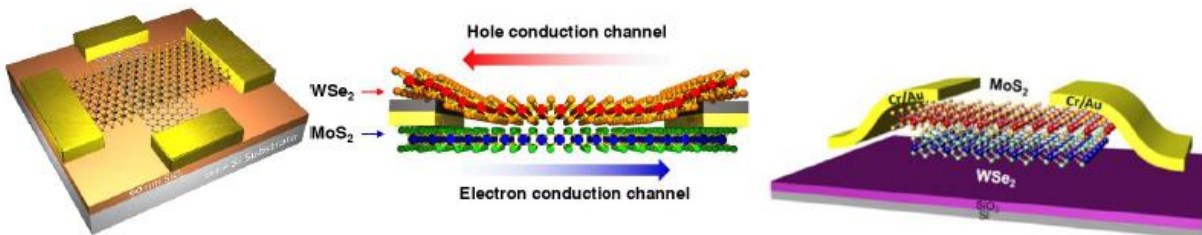


REPORT OF EXPERT LECTURE

On

Single Atomic Layer based Semiconductor Devices and Research Opportunities in South Korea

by Dr. Servin Rathi, Department of Electronic and Electrical Engineering,
Sungkyunkwan University, Suwon, South Korea



The Department of Applied Science 2nd shift has organized an expert lecture of Dr. Rathi on 3rd Oct 2019 in room no 406 at 11:00 am. All the students of First year and Faculty members had attended it. The lecture was mainly focused on new class of materials, popularly known as 2D materials that have attracted a lot of attention this decade, showing a great potential for exploring and realization of advanced electronics and optoelectronics devices. He discussed these materials-based devices like diodes and transistors and discuss their advantages and challenges that lies ahead in the successful realization of these devices for next generation commercial applications. He explained current research interest includes fabrication and device engineering of diodes and FETs based on 2D materials (graphene, MoS₂, WSe₂, hBN, HfSe₂, etc.). The talk was very beneficial for Physics, electronic and electrical engineering under-graduate, researchers and faculty members. The main interest is to generate good research spirit in the graduate students to have better researchers in the future. The talk was very effect, interesting and intellectual. Students were comfortable with Dr. Rathi and asked many questions, cleared their doubts.

