

KOWSEAP

Korean Women Scientists and Engineers in Asia Pacific

KOWSEAP-KOFWST Workshop

KOWSEAP-KOFWST workshop was held on the 14th of July 2016 following the conclusion of WCSE conference.

KOWSEAP association was formally established in 2015 and consists of women scientists in Asia-Pacific; from Australia, New Zealand, Japan, Singapore, China and Kazakhstan.

The workshop started with a brief welcome by the president of the association Dr Mira Park. This was followed by presentations from five speakers on what research they do – which showed wide range of research science discipline each speakers were from. After each presentation there were Q&A time which formed into discussions.

The president and few members of KOFWST also attended the workshop. There was also a special attendance by Dr Jane Oh from NASA, USA.



KOFWST provided with refreshments during the workshop with fruits, snacks and coffee.



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Mira Park - Computer aided detection/diagnosis in medical processing

Presented different application of computer aided detection in medical processing. These included chest x-rays, detecting diabetic retinopathy, retinal imaging and even microscopic imaging.

Valentina Yu - Synthetic 'Assembly' of biologically active Heteron (n-,p-) systems

Presented work on developing new molecules working on the principle of natural enzymes.

Irina Nam - Polarizing films & pressure-sensitive adhesives

Presented the history of display technology and how polarizing films are made and used in our display screens.

Michelle Yoo - Digestibility of functional foods

Presented different types of in vitro digestion models which simulates the conditions of the human gastrointestinal system. Tested different types of foods such as bread, eggs, meats, pasta etc..

Sumin Jeon - Simulation based digital manufacturing

Introduced ARTC A*STAR research institute and the plan of the ARTC Factory of the Future. Lots of money has been allocated for this project to transform business model based on the technological concepts of cyber-physical systems.



After the presentation session, remaining attendees around the room, who were not the speakers of the night, self-introduced themselves. This was a great way to encourage interaction between the members and start networking. Although there were wide range of research disciplines amongst the group there were great interest in each other's research.

The networking between researchers which can lead to collaboration work between countries especially with Korea, will be beneficial and rewarding for all.



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