

## 2021 KU-GWU Research Symposium

November 9<sup>th</sup>, 2021, Virtual Zoom Meeting

(Zoom Link: <https://gwu-edu.zoom.us/j/99584633671>, ID: 995 8463 3671)

School of Engineering and Applied Science, The George Washington University

### Schedule (US Time)

6:00 pm	Dean Lach	Welcome and Introduction: <b>Dean John Lach (GWU) and Dean Yong Chan Kim (KU)</b>	
6:05 pm		Opening Remarks: <b>President Jin Taek Chung, KU</b>	
6:10 pm		Opening Remarks: <b>Vice Provost Pam Norris, GWU</b>	
6:15 pm		Opening Remarks: <b>Dr. Simon Lee</b>	
6:20 pm	Chair: Prof. Lijie Grace Zhang	Session 1	ITO for IOT: Developing high-performance optical sensors and beam-steering devices <b>Prof. Volker Sorger (GWU) and Prof. Sujin Kim (KU)</b>
6:40 pm		Session 2	Data sets for machine learning <b>Prof. Murray Loew (GWU) and Prof. Hanseok Ko (KU)</b>
7:00 pm		Session 3	Towards safer connected highway systems: from data analysis to modeling <b>Prof. Samer Hamdar (GWU) and Prof. Seungmo Kang (KU)</b>
7:20 pm		Break	
7:25 pm		Session 4	Plasma/combustion-assisted synthesis and characterization for functional nano-propulsion and nano-materials <b>Prof. Michael Keidar (GWU) and Prof. Woonjoon Choi (KU)</b>
7:45 pm		Session 5	An origami-based soft actuator with active tactile sensors for various applications <b>Prof. Chung Hyuk Park (GWU) and Prof. Yong Sin Kim (KU)</b>
8:05 pm		Session 6	Inkjet-printed, functional devices with biological materials <b>Prof. Saniya LeBlanc (GWU) and Prof. Byung Yang Lee (KU)</b>
8:25 pm	Chair: Prof. Ki Bong Lee	Matching moment 1	Sustainable vehicle technologies; market & policy analysis; US-China relationship <b>Prof. John Paul Helveston (GWU)</b>
8:30 pm		Matching moment 2	Colloidal quantum dots and their optoelectronic applications <b>Prof. Se-Woong Baek (KU)</b>
8:35 pm		Matching moment 3	Intelligent aerospace systems laboratory <b>Prof. Peng Wei (GWU)</b>
8:40 pm		Matching moment 4	Soft wearable devices for virtual reality applications <b>Prof. Youngsu Cha (KU)</b>
8:45 pm		Matching moment 5	Smart grid laboratory <b>Prof. Payman Dehghanian (GWU)</b>
8:50 pm		Matching moment 6	Bio-inspired fluid management technologies and applications <b>Prof. Hyejeong Kim (KU)</b>
8:55 pm		Matching moment 7	Advancing water desalination technologies; Remediation of PFAS contamination in groundwater <b>Prof. Xitong Liu (GWU)</b>
9:00 pm		Matching moment 8	Clinical and operational decision making in health care <b>Prof. Hyo Kyung Lee (KU)</b>
9:05 pm		Matching moment 9	Intersection of disaster risk reduction and block chain <b>Prof. Costis Toregas (GWU)</b>
9:10 pm	<b>Wrap up: Prof. Lijie Grace Zhang</b>		