

## TOPICS

Introduction to Surface  
Integrity and its history

New concepts for research  
and education of future  
universities

Optical Metrology for  
Nanomanufacturing

Ultra-precision machining  
and measurement

New Semiconductor  
Materials' Optical  
Characterization

Fundamental study on  
optical manufacturing

*High Precision, Smart and ACSM Manufacturing finds wide applications in various areas such as optics, bio-medical engineering, new energy and environmental engineering. There is a great demand for undergraduate students, graduate students, young researchers and engineers from industry to further understanding the fundamentals and latest development in the field. The 4th Summer School organized by the International Society for Nanomanufacturing (ISNM) will be held from 23 till 27 September 2019 in Tianjin, China. It is co-organized by Tianjin University, University College Dublin and International Academy for Engineering and Technology. The ISNM summer school provides an opportunity for graduate students, young researcher and engineers from industry to join in and share the latest information in manufacturing. An exchange forum and practice will also be held to provide a platform for communication and discussion.*



## REGISTRATION



## CONTACT

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# The 4th ISNM Summer School

High Precision, Smart, and ACSM Manufacturing

2019.9.23-27, Tianjin

Organized by  
International Society for Nanomanufacturing

Co-organized by  
The Centre of Micro/Nano Manufacturing Technology  
(MNMT), Tianjin University  
Centre of Micro/Nano Manufacturing Technology  
(MNMT-Dublin), University College Dublin  
International Academy for Engineering and Technology (AET)



## Invited Speaker

✿ Prof. Ekkard Brinksmeier

✿ Prof. Rafael Wertheim

✿ Prof. Wei Gao

✿ Prof. Fengzhou Fang

✿ Prof. Zongwei Xu

✿ Prof. Xiaodong Zhang



Date	Time	Contents	Remarks
23 September (Monday)	08:30-08:35	Opening address	Prof. Fengzhou Fang
	08:35-10:30	Ultra-precision machining and measurement	Prof. Fengzhou Fang
	10:30-10:45	Tea break	
	10:45-12:30	Introduction to Surface Integrity and its history	Prof. Ekkard Brinksmeier
	12:30-14:00	Lunch	
	15:00-17:30	New concepts for research and education of future universities	Prof. Ekkard Brinksmeier
24 September (Tuesday)	09:00-12:00	Fundamental study on optical manufacturing	Prof. Xiaodong Zhang
	12:00-14:00	Lunch	
	14:00-17:00	New Semiconductor Materials' Optical Characterization: Raman and Photoluminescence Spectroscopy	Prof. Zongwei Xu
25 September (Wednesday)	09:00-12:00	Optical Metrology for Nanomanufacturing	Prof. Wei Gao
	12:00-14:00	Lunch	
	14:00-17:00	Optical Metrology for Nanomanufacturing	Prof. Wei Gao
26 September (Thursday)	09:00-12:00	To be updated	Prof. Rafael Wertheim
	12:00-14:00	Lunch	
	14:00-16:00	To be updated	Prof. Rafael Wertheim
	16:00-17:30	Group discussion	
27 September (Friday)	09:00-12:00	Group presentation	Prof. Fengzhou Fang
	12:00-14:00	Lunch	
	14:00-18:00	Visit of laboratory	Prof. Fengzhou Fang

## SCHOOL COUNCIL

Chairman  
Fengzhou Fang

Member  
Hans Nørgaard Hansen  
Zhuangde Jiang  
Wei Gao  
Kai Cheng  
Kornel Ehmann  
Chun-Hong Park  
Oltmann Riemer

