

2017 WINTER SCHOOL IN IMAGING SCIENCE

JANUARY 9–11, 2017, SONOFELICE, HONGCHEON GUN, GANGWON DO, KOREA



Day 0 / January 8 / Sunday

Registration

Time	Program
16:00-18:00	Registration & Group Meeting

Day 1 / January 9 / Monday

Imaging Session (Room: Granato)

Time	Program	Speaker
09:00-09:30	A Study for Mesh Generation using Partial Differential Equation	Kiwan Jeon

NIMS Session (Room: Granato)

Time	Program	Speaker
14:00-16:00	Talk 1: Mathematical Data Analytics and Its Applications	Yunkyoung Hyon
16:00-17:00	Talk 2: Study on the Human Biological Phenomena	Wanho Lee

CT Session (Room: Zaffiro)

Time	Program	Speaker
18:30-19:30	Tutorial 1: Sparse sensing: Fundamentals and applications in X-ray CT I	Hyoung Suk Park
19:30-20:30	Tutorial 2: A tutorial on Deep Learning: CNN I	Jin Keun Seo

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Day 2 / January 10 / Tuesday

CT Session (Room: Zaffiro)

Time	Program	Speaker
08:30-09:20	Deep learning	Jiashi Feng *
09:40-10:00	CT Talk 1	Jung Chul Ye
10:00-10:20	CT Talk 2	Ho Kyung Kim
10:20-10:40	CT Talk 3	Yong Eun Chung
18:30-19:30	Tutorial 1: Sparse sensing: Fundamentals and applications in X-ray CT II	Kyungsang Kim
19:30-20:30	Tutorial 2: A tutorial on Deep Learning: CNN II	Jin Keun Seo

* Keynote Speaker

Imaging Session (Room: Granato)

Time	Program	Speaker
09:00-09:50	계산 기하학의 Forward/Inverse 문제와 응용	Junghyun Cho

Ultrasound Session (Room: Granato)

Time	Program	Speaker
13:30-14:30	Tutorial 1: 심장 및 산부인과 초음파 진단의 임상적 이해	Soonjeong Jo
14:30-15:20	Tutorial 2: Tensorflow를 사용한 딥러닝 튜토리얼	HanByul Yang
15:30-16:30	Tutorial 2: Tensorflow를 사용한 딥러닝 튜토리얼 (심장영상에 응용)	HanByul Yang
16:30-17:30	Tutorial 3: CNN-based automatic measurement of fetal biometry	Jaeseong Jang

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Day 3 / January 11 / Wednesday

Microwave Session (Room: Rubino)

Time	Program	Speaker
09:00-09:30	Time-Domain Microwave Imaging for Breast Cancer Detection	Sol-Lip Kwon
09:30-10:00	An Introduction to Microwave Imaging – Having Continuous First and Second Derivatives	Hwa Pyung Kim
10:00-10:30	Basics of Static / Differential Microwave Tomography	Seong-Ho Son
10:30-11:00	Hardware and Experiments of Microwave Tomographic Imaging	Kwang-Jae Lee
11:00-11:30	MUSIC Algorithm for Small Anomaly Detection in Microwave Imaging	Won-Kwang Park