



# YONSEI

## Math-CSE Colloquium

### 인공지능 기반 디지털 지원 치료 시스템

**윤경호 교수**  
**연세대학교**

In the huge paradigm shift of 4th industrial revolution driven by AI technique, the medical industry is also pursuing personalized precision medicine through digital transformation and smart transformation from analogue, standard, and empirical medical procedure. At the center of this change, IT technology is acting as key driving force. In particular, personalized digital model of human body and therapeutic tool will be the core engine of smart medicine. In this presentation, I will introduce research on the development of artificial intelligence-based digitally-assisted therapeutic systems for digital/smart treatment by convergence of computational science, medical engineering, and artificial intelligence as the core technologies of the 4th medical revolution. In particular, investigation on the focused ultrasound and radiofrequency ablation devices will be presented.

**2023.10.04. (수) 17:00**  
**Sci Building #262**

주최 : 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학과산학부)  
문의 : 최영필 ypchoi@yonsei.ac.kr

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