



## Invited Speakers



**Alan Yuille, PhD**  
Bloomberg Distinguished  
Professor

Dept. of Cognitive Science and Computer  
Science at Johns Hopkins University, United  
States  
“Deep Networks and Beyond”



**Seong Ho Park, MD, PhD**  
Professor

Dept. of Radiology at Asan Medical Center,  
Korea  
“AI in Medical Imaging : Clinical  
Validation”



**Hong Wang, PhD**  
Professor

Dept. of Mechanical Engineering and  
Automation at Northeastern University,  
China  
“Human-Robot Interaction based on EEG/  
EMG”



**Tristan Vouga, PhD**  
CEO of TWIICE (Laboratory of Robotic  
Systems of Swiss Federal Institute of  
Technology Lausanne University; EPFL),  
Switzerland

“Human-compatible Robotics: Challenges,  
Trends and Opportunities in Wearables”

## AMC MDCTSC

### 1ST INTERNATIONAL SYMPOSIUM

#### CONTACT

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**AMC MDCTSC Website**  
<https://mdctc.amc.seoul.kr>



**ASAN**  
Medical Center Medical Device Clinical Trial Support Center

Asan Medical Center  
Medical Device Clinical Trial  
Support Center



# AMC MDCTSC

## 1ST INTERNATIONAL SYMPOSIUM

**Medical Device for  
Intelligent Augmentation**



**Date**  
11th July(Wed.), 2018,  
13:00~16:15



**Venue**  
Auditorium, East Building  
6th floor, Asan Medical  
Center(AMC)



**Target Attendees**  
Experts in Health Technology,  
Physicians, Researchers



**ASAN**  
Medical Center Medical Device Clinical Trial Support Center



## AMC MDCTSC 1st International Symposium on Medical Device for Intelligent Augmentation

In December 2017, Asan Medical Center established the Medical Device Clinical Trial Support Center for Medical Information Convergence based Automated Medical Devices under Asan Institute for Life Sciences with the support of the Ministry of Health and Welfare. The center supports the development of the 4th industrial revolution technology based advanced medical device products through close participation of clinical field experts. We would like to hold the first international symposium commemorating the opening of the center.

**Jaesoon Choi, Ph.D**  
Director, Medical Device Clinical Trial Support Center  
Asan Medical Center

| PROGRAM     |   |  |
|-------------|---|--|
| Time        | Program   | Speaker  |
| 13:00~13:30 | Registration  |  |
| 13:30~13:40 | Opening Ceremony  |  |
|             | Congratulatory remark   | Chong Jae Kim, MD, PhD<br>Director, Asan Institute of Life Sciences, Asan Medical Center   |
|             | Introduction of AMC MDCTSC  | Jaesoon Choi, PhD<br>Director, MDCTSC, Asan Medical Center   |
| 13:40~14:30 | Invited Lecture I<br>Deep Networks and Beyond   | Alan Yuille, PhD<br>Bloomberg Distinguished Professor,<br>Dept. of Cognitive Science and<br>Computer Science at Johns Hopkins<br>University, United States |
| 14:30~15:00 | Invited Lecture II<br>AI in Medical Imaging :<br>Clinical Validation                                      | Seong Ho Park, MD, PhD<br>Professor, Dept. of Radiology, Asan<br>Medical Center, Korea   |
| 15:00~15:15 | Break Time  |  |
| 15:15~15:45 | Invited Lecture III<br>Human - Robot Interaction<br>based on EEG/EMG                                      | Hong Wang, PhD<br>Professor, Dept. of Mechanical<br>Engineering and Automation at<br>Northeastern University, China  |
| 15:45~16:15 | Invited Lecture IV<br>Human-compatible Robotics<br>: Challenges, Trends and<br>Opportunities in Wearables | Tristan Vouga, PhD<br>CEO, TWICE, Switzerland  |
| 16:15~      | Closing   |  |

## Asan Medical Center Medical Device Clinical Trial Support Center (AMC MDCTSC) 의료정보융합 자동화 의료기기 특화 중개임상시험지원센터



### 서울아산병원 의료정보융합 자동화 의료기기 기업지원

보건복지부 지정 의료정보융합 자동화 의료기기  
중개임상시험지원센터에서 운영하는 기업 지원 프로그램입니다.

|             |   |
|-------------|---|
| <b>지원분야</b> | 비임상시험/임상시험  |
| <b>지원대상</b> | 의료정보융합 자동화 의료기기의 실용화를 추진하는 국내 제조기업<br>※ 의료정보융합 자동화 의료기기 : 의료로봇 (수술/재활/간호 등 진단 및 치료에 사용 되는 로봇) 및 자동화 의료기기를 비롯 의료 빅데이터 등 의료정보에 기반한 인공지능 등 기술이 활용되는 의료기기 |
| <b>지원내용</b> | 비용 지원<br>연구수행 지원   상기 비용 지원에 추가하여 효율적 연구 수행을 위한 임상자문/컨설팅, CRA 업무 등을 무상으로 지원함 (단, 평가결과에 따른)  |
| <b>신청방법</b> | 대표 홈페이지 가입 후 신청   <a href="https://mdctc.amc.seoul.kr">https://mdctc.amc.seoul.kr</a>   |
| <b>제출서류</b> | 신청서 및 해당 추가 제출 서류   공고문의 제출서류 참조  |
| <b>접수기간</b> | 공고시기   연 2회(상반기, 하반기) ※ 일정은 변동될 수 있음  |

### 중개임상시험지원센터 전주기 컨설팅 지원

서울아산병원 중개임상시험지원센터에서는 의료기기의 개발의 전주기를 돕고 있습니다.



### 센터 정기교육프로그램

#### ① AMDIS 프로그램 (AMC Medical Device Innovation Studio)

임상현장을 중심으로 의료기기 개발의 기획부터 의료기기 개발 전주기 과정에 대한 교육

#### ② 월례세미나

특화품목 유관 분야 전문가를 초청하여 최신기술 및 동향에 대하여 강의