



# INTERNATIONAL FIELD ROBOT FORUM 2018



국제필드로봇포럼

OCTOBER 23, 2018 / KAIST, DAEJEON, KOREA



- Overview

EVENT	<b>International Field Robot Forum 2018</b> -4th Industrial Revolution and Field Robots
Date	2018. 10. 23(TUE) 10:00 ~ 18:00
Place	KAIST, Chung Kun Mo Conference Hall, Academic Cultural Complex (E9), Daejeon, Korea
Event Purposes	In the ever-diversifying area of field robotics, the agriculture, construction, defense, space, nuclear power, and public security sectors have begun to incorporate artificial intelligence, which has been shown to enhance our lives than ever. In this forum, we will see under the 4 <sup>th</sup> Industrial Revolution technology how far the development of artificial intelligence and new emerging technology will drive the maturity of field robotics by listening to expert's assessments of the current status of the field and prospects for the future.
HOST	ICROS, irobotnews, KIRIA, KIRO (제어로봇시스템학회, 로봇신문사, 한국로봇산업진흥원, 한국로봇융합연구원)
Management	KAIST, FIROS (카이스트, 필드로봇소사이어티)
Sponsor	RDA, KAERI (농촌진흥청, 한국원자력연구원)
Configuration	Keynote Speech and 3 Sessions with 14 presentations

• Program

Time	Contents	
09:00-10:00	Registration	
10:00-10:55	Keynote Speech & Opening Ceremony	[Keynote Speech 1] Recent Advances of Nuclear Disaster Robot in Japan (Prof. Hajime Asama, Tokyo University)
10:55-11:15		Opening Ceremony
11:15-12:10		[Keynote Speech 2] Overview of Russian Robotic Program and Progress of Extreme Robots (Dr. Alexander Lopota, Russia State Scientific Center)
12:10-13:30	Lunch Break	
13:30-13:55	<b>Session #1</b> (Artificial Intelligence for Field Robotics)	Machine Learning Based Computer Vision and Applications (김준모 교수, KAIST)
13:55-14:20		Recent Advances in Reinforcement Learning (김기응 교수, KAIST)
14:20-14:45		SLAM Technology and Applications (김아영 교수, KAIST)
14:45-15:00	Coffee Break	
15:00-15:20	<b>Session #2</b> (Field Robot Applications)	Applications of AI Technology in Smart Farm & Agricultural Robot (김상철 박사, 농진청)
15:20-15:40		Intelligent Unmanned Outdoor Guard Robot for 24hour and 70km Operation on a Single Charge (문용선 박사, Redone Technology)
15:40-16:00		Learning based Autonomous Driving System (심현철 교수, KAIST)
16:00-16:20		Recent Development of Exoskeleton Robot (유재관 박사, LIG Nex1)
16:20-16:40		Future Prospective of Construction Robots and Machines (김석 교수, 한국철도대학교)
16:40-16:55	Coffee Break	
16:55-17:10	<b>Session #3</b> (Introduction of Company/Organization)	Rotem
17:10-17:25		Hanwha Techwin
17:25-17:40		Yujin Robot
17:40-17:55		MiniMotor
17:55-18:00	Closing	

- Registration Fee

Fees	Pre-Registration		On-Site Registration	
	Regular Participant	Student	Regular Participant	Student
	USD 200 (KRW 200,000)	USD 100 (KRW 100,000)	USD 250 (KRW 250,000)	USD 120 (KRW 120,000)

- Registration Fees Cover

- Access to all conference session
- Program Book
- Lunch
- Coffee