

ELROB'2018 - EUROPEAN LAND-ROBOTS TRIALS
ISMCR'2018 – International Symposium on Measurement and Control in Robotics
Hosted by the ICI and the RPAS Hainaut



Introduction of the ISMCR Sympoium

From 24 to 27 September 2018, on the 'HAINAUT Security' site, located in BAUFFE (Mons, close to CHIEVRE airport and CASTEAU NATO headquarters), was held the annual competitions to demonstrate the capabilities of mobile robots in realistic scenarios.

The ELROB'2018 competition presented 16 teams of which five (NIC Instruments Ltd-UK, TELEROB GmbH-GE, BROKK Ltd.-SE, ELP GmbH-GE, TAUT-AT) tested on explosive and CBRN device detection capabilities and seven competitors tested on rescue capabilities for victims (TELEROB GmbH-GE, Fraunhofer & TNO-GE-NL, BISG-FI, TAUT, BROKK and ELP, AVRORA-RU)

The aim of these competitions is to promote the best advances in technology and to strengthen cooperation in research.



CBRN-E Inspection

The ELROB event has been doubled this year by the organization of the 21st International Symposium on Robotics (ISMCR'2018¹) under the auspices of the International Confederation IMEKO, and more particularly its technical committee (TC17) coordinator of research in robotics, chaired by Japan, of which Belgium is an active member in charge of the organization of this symposium.

¹ See program on www.ici-belgium.be/events and www.elrob.org

Twenty-five contributions were presented during two days, introduced by four Key-note speakers, namely Lieutenant Colonel MONET (France), Dr Kris KIDD (TOTAL), Prof EM GRADETSKY (Russia), Prof INAMI (Japan)



LtCol Monet , CBRNE advisor of the French Civil Protection focused on the importance of UGV and UAV for mastering hazard risks. Dr Kidd , manager of the international Robotics competition ARGOS (interventions for protecting gas and oil sites) focused on the necessary automation of the industrial safety and security issues. Professor Gradetsky summarized the state-of-the-art of mobile robotics, illustrated by the current status of the R&D activities in this domain in Russia. Professor Inami focused on the challenges posed by the evolving smart society.

Our CBRN and EKC managers (General Galatas and Professor Baudoin) detailed the need of Robotics Systems in CBRNE intervention.

With the participation of more than 120 active participants to both events and 71 visitors, these successful events underlined the experience and expertise of the International CBRNE Institute.