

ACDT 2018

The Fifth Asian Conference on Defense Technology Hanoi, October 25-27, 2018

The 5th Asian Conference on Defense Technology (ACDT 2018) welcomes all submissions of research papers and short papers that are related to defense technology, safety, security, disaster relief, and peacekeeping technology. This conference aims to bring together people in research institutes, universities, and industries to enhance intellectual exchanges, discussion, and research collaboration. Accepted papers will be published in the 5th ACDT Proceedings and selected ones will be submitted to IEEE Xplore. We encourage the authors to submit the revised version to the special issue of Defense Technology, Elsevier Journal. More details and up-to-date information at <http://acdt2018.org>

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SUBMISSION AND PUBLICATION

ACDT 2018 seeks articles describing novel results about theoretical, empirical, conceptual or experimental research that are related to defense technology, safety, security, disaster relief, and peacekeeping technology. All contributions should be original, must be unpublished, and must not be submitted to other venues during the review period. The conference language is English. All submitted papers should must conform to the double-column format of IEEE templates.

CONFERENCE SCOPE

Relevant topics of the symposium include, but are not limited to:

• Computer Science and Electronics:

Artificial Intelligence; Machine Learning; Autonomous Systems; Cognitive systems; Communication Systems; Cyber Security; Electronic warfare; Command Control and Communications; Embedded systems; Electrical machines; Smart Technology.

• Sensor Networks, Object Recognition and Situation Awareness:

Wired and wireless sensors systems; Sensor fusion; Cooperative diversity and physical layer network coding; Cross-genre networks; Disruption-tolerant networks; Radio; Mixed signal; Measurement technology; Radar technologies.

• Robotics and Mechanical Engineering:

Swarm Robotics; Control systems; Dynamics and controls; Acoustics; Mechatronics; Micro electro mechanical systems; Military vehicles; Weapon system design and integration; Hardware-in-the-loop simulations; Explosions and blasting mechanics.

• Aerospace Engineering and Space:

Space situation awareness; Aircraft design and testing; Aircraft and rocket aerodynamics; Rocket propellants; Guidance and navigation; Surveillance technologies; Drone technologies.

• Blast and Explosives:

Modeling and simulation; Chemistry and materials for defense applications; Explosive and energetic materials; Explosion reaction; Explosive detection; Combustion and propulsion; Anti-biological weapons; Chemical sensors.

• Operations Research:

Management in weapon system development; Strategic planning; User training; Modeling and simulation; Applications of defense technology for noncombatant operations.

• Technology for Safeguard Operations:

Disaster relief; Peace keeping and humanitarian assistance; Defense acquisition; Anti-terrorism; Technology in counter-drug operations; Risk analysis; Safe city.

• Human engineering, Human performance optimization, Human factors in aviation safety

REVIEW PROCESS

The selection of contributions to be presented at the conference and published in the proceedings will be based on peer-review by the program committee. It is required that each accepted paper be presented at the conference by one of its authors.

IMPORTANT DATES

Submission deadline:

June 25, 2018

Author notification:

July 25, 2018

Camera-ready:

August 20, 2018

Conference dates:

October 25-27, 2018

Organizers



Sponsors

