

# 2017 Fourth Asian Conference on Defense Technology-Japan (ACDT)

Nov. 29 – Dec. 1, 2017, Tokyo, Japan

Call for Papers



## 2017 Fourth Asian Conference on Defense Technology-Japan

(ACDT) 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 4th ACDT Proceedings and submitted to IEEE Xplore.

### Topics of Interest

The conference areas of interest 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:

### Important dates

**Paper Submission: Aug. 29, 2017**

**Notification of Acceptance:**

**Sept. 29, 2017**

**Camera-Ready: Oct. 25, 2017**

**Early Registration: Nov. 1, 2017**

### Organizing Committee

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The 4th ACDT Web Site: <http://www.4th-acdt.com>