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Hyperspectral Images Impact IEEE HST'17 Symposium

Latest methods for detection of secret images in vast military surveillance to be studied at Homeland Security Technology confab soon

BOSTON (April 10, 2017) – When engineers meet in Boston April 25 – 26, the *Homeland Security Technology* symposium [HST'17] will feature solutions for detection of hidden images in military surveillance to prevent attacks.

Dalila B. Megherbi, Director of the research Center for Computer Machine/Human Intelligence Networking and Distributed Systems (CMINDS), which she founded at the Department of Electrical and Computer Engineering at the University of Massachusetts Lowell, will present her paper *Residue Analysis in Aerial Imagery Surveillance*.

Megherbi holds more than 116 refereed peer-reviewed publication articles with her main research goal being the understanding and building of sensor-based machines that can be made to exhibit intelligence. "The idea is to build intelligent machines/sensors and to understand certain aspects of intelligence," says Megherbi. "(While) all images that exist are visible ... most, but in the military or defense arena hyperspectral is becoming important because beyond the visible there are wavelengths that are non-visible."

Meghebi previewed her presentation on the *ScienceNews* Radio Network program *Promise of Tomorrow with Colonel Mason*, [www.PromiseOfTomorrow.biz]. The broadcast originates in Dallas, Texas, and can now be heard archived and webcast for its world audience.

This yearly symposium where Megherbi will present her solutions historically brings together innovators from leading academic, industry, business, homeland security centers of excellence, and government programs in a forum—discussing ideas, concepts, and experimental results.

This is the 16th annual *IEEE Symposium on Technologies for Homeland Security*, sponsored by the Massachusetts Port Authority [Massport] to be

held 25-26 April 2017, in the greater Boston, Massachusetts area. Produced by IEEE with technical support from DHS S&T, IEEE, IEEE Boston Section, and IEEE-USA and organizational support from MIT Lincoln Laboratory, Raytheon, Battelle, and MITRE. Detailed information on the sponsorship and exhibit opportunities can be found: <http://ieee-hst.org/>