



NURC

a NATO Research Centre  
un Centre de Recherche de l'OTAN



PARTNERING  
FOR MARITIME  
INNOVATION

Call for Papers

## NATO Workshop on Data Fusion and Anomaly Detection for Maritime Situational Awareness – MSA 2009

15-17 September 2009

NATO Undersea Research Centre (NURC), La Spezia, Italy

**Overview.** The *NATO Workshop on Data Fusion and Anomaly Detection for Maritime Situational Awareness* (MSA 2009) will be held at the *NATO Undersea Research Centre* (NURC), in La Spezia, Italy, on 15-17 September 2009. Prospective authors are invited to submit papers (12 pages maximum) to the Program Chair ([coraluppi@nurc.nato.int](mailto:coraluppi@nurc.nato.int)), by 1 May 2009. All prospective participants must send a registration request by e-mail by 1 September 2009, also to the Program Chair. Authors and observers from industry, academia, and government are encouraged to participate. Workshop proceedings will be published by NURC and distributed on site.

**Objectives.** NATO has endorsed the *Maritime Situational Awareness* (MSA) concept in late 2008, and approved a Concept Development Plan which includes a technology study; related international efforts are underway, including the EU MARSUR program. As part of NATO MSA activities, the *NATO Research and Technology Organization* (RTO) *Systems Concepts and Integration* (SCI) Panel has initiated Task Group SCI-211 on *Emerging Technologies for NATO MSA*. In support of the SCI-211 mandate, MSA 2009 will seek to identify the state-of-the-art and current research activities in data fusion and anomaly detection technologies and their potential for application to MSA.

**Topics of Interest.** These include but are not limited to the following:

- **Platforms, sensors, and signal processing for vessel detection**, including satellite imagery, radar, *automatic identification system* (AIS) data, infrared data, electronic emissions, and commercial data sources;
- **Multi-sensor multi-target tracking and fusion**, addressing cooperative and non-cooperative sensor data, human intelligence, and spatial and temporal coverage gaps;
- **Vessel anomaly detection**, including kinematic motion, AIS transponder use, and multi-vessel events.

**Social Events.** Welcome Reception hosted by the NURC Director, 15 September 2009; no-host Workshop Dinner, 16 September 2009.

### Important Dates

Paper submission	1 May 2009
Notification of acceptance	1 June 2009
Submission of final PDF manuscripts	1 August 2009
Registration	1 September 2008 (no on-site registration)

### Organizing Committee

Program Chair	Stefano Coraluppi (NURC)
Technical Program Committee	John Barkley (ONR), Gordon Campbell (ESA), Craig Carthel (NURC), Stefano Coraluppi (NURC), Johan Goossens (NATO ACT), Alain Maguer (NURC), William Miceli (ONR Global), Peter Ranelli (NURC)

### Contact Information

Stefano Coraluppi <a href="mailto:coraluppi@nurc.nato.int">coraluppi@nurc.nato.int</a> +39 0187 527304	Felicita Di Stefano (Workshop Secretary) <a href="mailto:distefano@nurc.nato.int">distefano@nurc.nato.int</a> +39 0187 527273
--	---

