



**Workshop on
Advanced Communication Technologies for
Risk, Emergency and Disaster
Management
15 September 2008
Cannes, France**



actRED 08, the first International Workshop on Advanced Communication Technologies for Risk, Emergency and Disaster Management, will be held in Cannes, France, 15 September 2008, as a PIMRC 08 pre-Conference Workshop. The main objective of the full-day Workshop is to pass in review advanced communication technologies and systems, as well as solutions, in support of Risk, Emergency and Disaster Management, as well as Early Warning and Disaster Recovery. A number of keynotes will provide a broader perspective of the area, and highlight the major challenges. In the morning of 16 September, ThalesAleniaSpace will provide all interested parties a visit to their site near Cannes for a demonstration of the EMERGESAT system.

09:00 Keynotes

- "Deployment of ad hoc infrastructure for Emergency and Disaster Management", Sonia M. Heemstra de Groot, TU Delft/WMC
- "IEEE work in CQR group", Alistair Munro, Univ. Bristol

10:00 Risk Monitoring and Sensing

- "Heterogeneous and Virtual Sensing", tbd, EADS [CHORIST]
- "In situ sensing", Sergio Barbarossa, Università di Roma "La Sapienza" [WINSOC]
- "Building Robust Sensor Networks with Sensor Service Architecture", Denis Havlik, ARCS [S@NY]

Coffee Break

- "Sensing and Detection", tbd [RUNES]
- "Fire detection", Vasco Lagarto, Instituto de Telecomunicações

Advanced Solutions for Communication to Citizens

- "From Broadcast to Cell Broadcast", tbd, EADS [CHORIST]
- "Standardisation and cross border pilots of Cell Broadcast", Roos Lamers, Willy Steenbakkens, Directorate-General for Public Safety and Security, Ministry of the Interior and Kingdom Relations, The Netherlands
- "OTASR", Philippe Morgand, Thales, France

Support to First Responders

- "Deployable broadband hotspots for interoperable first responder services", Vania Conan, Thales [WIDENS and CHORIST]

Lunch Break

14:00 Keynote

- "Protection of Critical Communication Infrastructure", TBD, Alcatel-Lucent
- "Advanced Communications and Sensing for Risk, Emergency and Disaster Management: the role of Cooperating Smart Objects", Jorge Pereira, EC

15:00 Crisis, Emergency and Disaster Management

- "Communications for Crisis Management" – Martine Couturier, EADS Defense and Security Systems [OASIS]
- "Solutions for Crisis Management", Stathes Hadjiefthymiades, Univ. of Athens [IPAC]

Coffee Break

Search and Rescue

- "Outdoor Localisation in Snow, Forests and Urban Environments", Philippe Morgand, Thales, France [LUTECE and STARRS]
- "Indoor localisation of Firefighters", Dave Harmer, Thales, UK [EUROPCOM]

- "GPS-enhanced 3G localisation for first rescuers", Philippe Morgand, Thales, France [LURGA]
- "Localisation and Tracking of first responders; smoke/fire detection; deployment of sensors", Anibal Ollero, Univ. Sevilla/AICIA [AWARE]

Rural, Remote Areas

- "Low Cost and High Performance Multi-hop Wireless Mesh Network Solution in Rural and Mountain Areas - Lessons Learnt, Future Challenges and Application to Disaster and Emergency Management", Oscar Lazaro, Innovalia Association [ADHOCSYS]
- "Using HAPs to provide support to Emergency and Disaster Management in Rural Areas", David Grace, University of York [CAPANINA]

Satellites for Emergency and Disaster Management

- "Wireless Infrastructure over Satellite for Emergency Communications", Matteo Berioli, DLR & Jean-Loius Fondere, ThalesAleniaSpace [WISECOM]
- "EMERGESAT: A tool for managing humanitarian crises", Michel Castellanet, ThalesAleniaSpace



Mr Michel Castellanet, Director of Applications at ThalesAleniaSpace, has kindly offered to all interested parties a visit to their site near Cannes for a demonstration of EMERGESAT, to take place in the morning of 16 September. Further details will be made available soon.