

# The 1st IEEE International Conference on Information and Communication Technologies for Disaster Management

CERIST, Algiers, ALGERIA - March 24 - 25, 2014

<i>March 24, 2014 (Monday)</i>	
<b>8:00-09:00</b>	<b>On-Site Registration</b>
<b>09:00-10:00</b>	<b>Opening Ceremony</b>
<b>10:00-11:00</b>	<b>Keynote 1: ICTs Solutions for Emergency Management</b> (Pr. Sisi Zlatanova, Delft University of Technology, The Netherlands)
<b>11:00-11:40</b>	<p style="text-align: center;"><b>Break</b></p> <p style="text-align: center;"><b>Demos and Practices</b></p> <ul style="list-style-type: none"> <li>• K. Benamar. Forest Fire Detection system using Wireless Sensor Networks</li> <li>• M. Lounis, K. Mehdi and A. Bounceur. A CupCarbon Tool for Simulating Destructive Insect Movements</li> <li>• D. Nanghaka Khauka. Early Warning Early Response Disaster Manager (EWERDIMA)</li> <li>• S. Yahiaoui <i>et al.</i> <i>ICTs Integration for Disaster Management</i></li> </ul>
<b>11:40-12:30</b>	<p><b>Session 1: Data/Information Management for Disaster Management</b></p> <ul style="list-style-type: none"> <li>• B. Theilen-Willige, R. Loewner and F. El Bchari. Remote Sensing and GIS Contribution to the Detection of Areas Susceptible to Natural Hazards in the Safi Area, W- Morocco</li> <li>• R. Hadji, Y. Limani, A. Demdoun, A. Chouabi, F. Zahri and A. Boumazbeur. Using multivariate approach and GIS applications to predict slope instability hazard in Machrouha municipality, NE Algeria</li> <li>• A. Benssam, N. Nouali-Taboudjemat and O. Nouali. Requirements for an IT-Based Platform for Disaster Management</li> </ul>
<b>12:30-13:30</b>	<b>Lunch</b>
<b>13:30-14:30</b>	<b>Keynote 2: Early Warning Systems</b> (Shunroku Yamamoto, Earthquake Disaster Prevention, Disaster Prevention Technology Division, Railway Technical Research Institute, Japan)
<b>14:30-15:25</b>	<p><b>Session 2 : Data/Information Management for Disaster Management</b></p> <ul style="list-style-type: none"> <li>• D. Pinto and A. Cipriano. Tsunami Early Warning System Architecture based on Automation Technologies</li> <li>• D. Khadraoui and C. Feltus. Towards Cyber-Security Protection of Critical Infrastructures by Generating Security Policy for SCADA Systems</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>I. Fares, H. Rachida and D. Choayb. Handling Uncertainty in Emergency Plan Evaluation Using Generalized Petri Nets</b></li> </ul>	
<b>15:25-15:45</b>	<b>Break</b>	<p style="text-align: center;"><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• B. Theilen-Willige. Flooding Hazard in Northern Algeria Contribution of remote sensing and GIS methods to the detection of areas exposed to flooding in the coastal zones of Northern-Algeria</li> <li>• A. Bensaid, T. Saint-Gerand and M. Driss. The use of remote sensing and gis for the assistance and monitoring the algerian steppe degration risk</li> <li>• Z. Slimane, A. Abdelmalek and S. Kameche. Feasibility Study of an UWB Radar System for Through Wall Static Human Being Detection and Localization</li> </ul>
<b>15:45-16:50</b>	<p style="text-align: center;"><b>Session 3: Preparation and risk analysis for Disaster Management</b></p> <ul style="list-style-type: none"> <li>• K. Derbal, I. Frihi, K. Boukhalfa and Z. Alimazighi. Spatial Data Warehouse and Geospatial Decision Making Tool for Efficient Road Risk Analysis</li> <li>• B. Saddek, A. Fateh, B. Miloud and B. Mustapha. Risk factors analysis using the fuzzyfication of Reason's model</li> <li>• A. Hassini and A. H. Belbachir. Thermal method of remote sensing for prediction and monitoring Earthquake</li> <li>• A. Senouci, P-Y. Bard, M. N. Farsi, E. Beck and S. Cartier. Qualitative methods to estimate exposition to seismic damage in Oran (Algeria)</li> </ul>	
<b>March 25, 2014 (Tuesday)</b>		
<b>9:00-10:00</b>	<p style="text-align: center;"><b>Keynote 3: ICTs for Collaboration in Emergency Management Systems (Pr. Marcos R. S. Borges, Universidade Federal do Rio de Janeiro, Brazil)</b></p>	
<b>10:00-10:40</b>	<p style="text-align: center;"><b>Session 4: Decision support and Collaboration for Disaster Management</b></p> <ul style="list-style-type: none"> <li>• K. Ait Abdelouhab, D. Idoughi and C. Kolski. Agile &amp; user centric SOA based service design framework applied in disaster management</li> <li>• A. Benssam, A. Bendjoudi, S. Yahiaoui and N. Nouali-Taboudjemat. Towards a Dynamic Evacuation System for Disaster Situations</li> </ul>	
<b>10:40-11:00</b>	<b>Break</b>	<p style="text-align: center;"><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• S. Sellami. Ontology-Based Integration for Disaster Management: Approach and System Architecture</li> <li>• R. Tandlich, C. D. Luyt, T.G. Chirenda, P. Madikizela, M. H. Wisch and D.M. Pyle. Stakeholder participation and sustainable disaster management planning in South Africa.</li> <li>• S. Attia, A. Boubetra and M. Saad Saoud. Contribution of Computer Simulation to Disaster Management</li> </ul>

<p><b>11:00-12:15</b></p>	<p><b>Session 5: Decision support and Collaboration for Disaster Management</b></p> <ul style="list-style-type: none"> <li>• H. Abdelmoumène and H. Belleili. Modeling a Disaster Management with Decentralized Markov Decision Processes</li> <li>• A. Bouguessa and B. Boudaa. A Dynamic Adaptation for Context-Aware Service-Based Applications: Disaster Management Case Study</li> <li>• A. Benghida and M. Boufaïda. <i>Web Services discovery in P2P networks based on Clustering</i></li> <li>• K. Tadjer and M. Bensaïbi. Earthquake risk scenarios of Blida city</li> </ul>
<p><b>12:15-13:15</b></p>	<p><b>Lunch</b></p>
<p><b>13:15-14:15</b></p>	<p><b>Keynote 4: A Cross Layer Paradigm for Pervasive Use of Heterogeneous Wireless Sensor Networks in Disaster Management</b> (Pr. Ashfaq Khokhar, University of Illinois at Chicago, USA)</p>
<p><b>14:15-14:30</b></p>	<p><b>Break</b></p>
<p><b>14:30-16:10</b></p>	<p><b>Session 6: Communication Networks for Disaster Management</b></p> <ul style="list-style-type: none"> <li>• M. Tahar Abbes, M. Senouci, B. Kechar and S. Merabet. <b>A Routing Ad Hoc Network for Disaster Scenario</b></li> <li>• C. Tata and M. Kadoch. <b>Multipath Routing Algorithm for Device-to-Device Communications for Public Safety over LTE Heterogeneous Networks</b></li> <li>• N. Bendimerad and B. Kechar. <b>Coverage Enhancement with Rotatable Sensors in Wireless Video Sensor Networks for Post-Disaster Management</b></li> <li>• B. Zebbane, M. Chenait and N. Badache. <b>RTCP: Redundancy aware Topology Control Protocol for wireless sensor network</b></li> <li>• Y. Benosman and M. Benchaïba. <b>An Effective Redundancy Detection Method in Wireless Sensor Networks</b></li> </ul>
<p><b>16:10-17:10</b></p>	<p><b>Closing Ceremony and Awards</b></p>
<p><b>17:10-00:00</b></p>	<p><b>Social event</b></p>