



Università degli Studi di Genova

DISC

Dipartimento di Scienze Chirurgiche e Diagnostiche Integrate

Titolo: Simulazione in medicina di urgenza	SSD: chirurgia	Responsabile della ricerca: Marco Frascio
Finanziamento (NO PROFIT – NOME DELLA CONTROPARTE)	Prin 2012 responsabile unità di ricerca	
Riassunto	<p>MULTIDISCIPLINARY DEVELOPMENT OF A SIMULATION OF INDUSTRIAL PLANT DISASTERS DESIGNED FOR IMPROVING SAFETY BY SUPPORTING TRAINING AND INTRODUCING NEW PROCEDURES</p> <p>Industrial accidents are an unfortunate reality, therefore there are few situational training exercises to cope with emergencies management. The Authors propose a simulation approach for developing innovative response procedures during industrial crises integrated with START SYSTEM triage model. The proposed simulator is based on interoperable architecture and on new MS2G paradigm and federated by IEEE 1516 HLA. The paper presents its use as test-bed on a specific case study conducting experiments over SPIDER virtual platform. Two University classes performed tests and training experiences on multiple target functions including mission time, detection, classification and securing of injured people. The analysis included also use of innovative procedures based on Autonomous Systems. The obtained results confirm improvements on the learning curves respect specific target functions. These results confirm the potential of this approach as a learning strategy that combines medical skills with engineering to improve reaction capabilities and situation awareness during industrial crises.</p>	
Link al protocollo		