

# CODATA-Germany Lecture Notes in Information Sciences

CODATA Germany RISK Models and Applications 2010

CODATA Germany  
Lecture Notes  
in Information Sciences



Horst Kremers, Alberto Susini (ed.)

**RISK Models and Applications**  
Selected Papers

## Risk Models and Applications, 2010

ISBN 978-3-00-030278-7

iii + 190 pages

€ 68,-

published by  
CODATA-Germany  
P.O. Box 20 05 48  
D- 13515 Berlin, Germany

Authors:

A. Ajmar, A. Antonov, V. Bakhtina, C. Bertelle, S. Betz, L. Blay, P. Boccardo, A. Buriak, N. Chernetsov, N. Chorniy, A. Drouzhiaka, A. Dutot, D. Fiedler, H. Fricke, N. Frolova, Yu. Gerasimov, N. Gronak, K. A. Herrick, C. Hürzeler, F. Huettmann, J. Kozel, H. Kremers, P. Kubicek, P. Lions, O. Lompo, P. Mallet, M. Markovets, A. Massot, E. Matsina, S. Matsina, J. M. Mendes, M. Y. Mensah, M. Nabaa, D. Olivier, Z. Podolecheva, E. Propeck-Zimmermann, J. Runstadler, T. Saint-Gérard, K. Saitoh, A. Schönenberger, A. Susini, A. Tavares, C. Thiel, F. G. Tonolo, O. Valchuk

<http://www.codata-germany.org/>

## Order Form

CODATA-Germany e.V.  
Horst Kremers  
P. O. Box 20 05 48  
D- 13515 Berlin, Germany

Send by letter Mail, eMail (Scan) or by Fax + 49 30 3728587

I / we order 1 copy of

sent by  surface mail  
 air mail

Risk Models and Applications  
CODATA-Germany LNIS 2010  
ISBN 978-3-00-030278-7  
Euro 68,00 + postage and handling

Ordered by: *Name and full address*

Shipment address:  
*if different from order address*

Place, Date, Signature:

## Index

Andrea Ajmar, Piero Boccardo, Fabio Giulio Tonolo Satellite Based Rapid Mapping Supporting Post-Disaster Assessment .....	1-10
Elaine Propeck-Zimmermann, Thierry Saint-Gérard Cartography of Risk Situations: From Combination to Interaction Between Factors .....	11-25
Alberto Susini, Christian Hürzeler, Andreas Schönenberger, Alexandre Massot, Hartmut Fricke, Norbert Gronak, Christoph Thiel, Daniel Fiedler Adaptation of the IAEA Industrial Risk Prioritization Method for the Assessment of Aircraft Accident Consequences on Industrial Facilities by Means of GIS Risk-Register, the Examples of Geneva, “Geneva Risk” .....	27-48
Petr Kubicek, Jiri Kozel Cartographic Techniques for Adaptive Emergency Mapping .....	49-62
Michel Nabaa, Cyrille Bertelle, Antoine Dutot, Damien Olivier, Pascal Mallet A Dynamic Vulnerability Map to Assess the Risk of Road Network Traffic Utilization .....	63-72
Alexandre Tavares, José Manuel Mendes Risk Prevention, Risk Reduction and Planning Policies: Misunderstandings and Gaps in a Local Context .....	73-88

Ludovic Blay, Patrick Lions, Pascal Mallet	
From Training Tools to Helping Tools in Crises Treatment .....	89-98
Pascal Mallet	
A RIS for Overall Management of the Major Risks of the Seine Estuary .....	99-106
Olivier Lompo	
Risques et Conflicts Environnementaux en Afrique de l'Ouest: Une Approche Cartographique .....	107-124
Moses Y. Mensah	
Ghana's Oil Boom – Options for an Effective Regulatory Framework and for Minimizing Adverse Ecological Impacts .....	125-133
K. A. Herrick, F. Huettmann, J. Runstadler, N. Chernetsov, A. Antonov, O. Valchuk, Yu. Gerasimov, E. Matsina, S. Matsina, M. Markovets, A. Drouzhiaka, K. Saitoh	
Predictive RISK Modeling of Avian Influenza in the Pacific Rim and Beyond .....	135-148
Stefanie Betz, Zornitza Podolecheva	
Risk Management in In-House and Offshore Outsourcing Software Development Projects .....	149-157
Victoria Bakhtina	
Addressing Sustainability Risk Within Banking Regulatory Framework .....	159-166

N. Chorniy, A. Buriak

Some Aspects of Building Credit Scoring System Using Special  
Data Preprocessing Technique ..... 167-177

Horst Kremers, Alberto Susini, Victoria Bakhtina, Nina Frolova,  
Petr Kubicek, Alexandre Tavares, Els Verfaillie

Risk Management International Workshop, Berlin, Sept. 10-11,  
2009, Report ..... 179-190