

IFAC Workshop on Supplemental Ways for Improving International Stability 2010

**Prishtina, Kosovo
27-29 October 2010**

Editors:

Peter Kopacek

Edmond Hajrizi

ISBN: 978-1-61782-756-3

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2010) by Elsevier Limited
All rights reserved.

Printed by Curran Associates, Inc. (2011)

For permission requests, please contact the publisher, Elsevier Limited
at the address below.

Elsevier Limited
The Boulevard, Langford Lane
Kidlington OX5 1GB, United Kingdom

Phone: +44 (0)1865 844640
Fax: +44 (0)1865 843912

Email: eurobkinfo@elsevier.com

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

CONTENTS

Survey Papers

The IFAC TC SWIIS – The last 3years	1
<i>P. Kopacek</i>	
An Assessment of Technology Adoption Theory in Post-Conflict Regions: A Case Study of Kosovo.....	7
<i>L. Stapleton</i>	
Ethics, Reward Structures and Technology	13
<i>F.Kile</i>	
Methodological Issues in Multi-Country Multi-Language Participative Research with Blind and Visually Impaired People	17
<i>M. A. Hersh</i>	
Optimizing Counter-Terror Operations	25
<i>J. P. Caulkins, D. Grass, G. Feichtinger, G. Tragler</i>	
Students Envisaging the Future.....	29
<i>D. Brandt</i>	

Invited Papers

Climate Change and Stability: the case of the Mediterranean Region.....	35
<i>J. Scheffran</i>	
Technology Change and Transfer Costs: A Case Study of Poland	41
<i>J. B. Lewoc et.al.</i>	

Sustainable Development and the Environment

The Contribution of UBT for the Sustainable Development of Kosovo.....	47
<i>E.Hajrizi, L.Stapleton, P.Kopacek</i>	
Tools and Methods in Product Development to Reduce the Environmental Impact.....	53
<i>F. Kaltseis</i>	
Electronic Waste Management in Kosovo an Important Contribution for Stability.....	59
<i>I.Rexa, P.Kopacek</i>	

Modelling and Simulation

Modelling and Simulation of Road Vehicle	65
<i>A.Shala, E.Hajrizi, R.Likaj</i>	
Determination of International Traffic Termination Rate (ITTR) Based on International Traffic Outgoing Rates – case study	69
<i>F..Bekalli, E.Hajrizi, B.Gashi</i>	

Infrared Ball Chasing Robot	73
<i>N. Chivarov</i>	

Management in the Service of Stability

Technology Transfer and Building Automation Systems in Albania	77
<i>O. Zavalani, M. Braneshi</i>	
Technology Park and Technology Centre in Dortmund – Engines for Local Economic Recovering	83
<i>N. Jesse</i>	
Viable Strategies for Innovation in Telecom Industry in Tough Times	89
<i>M. Temraz</i>	

Energy Systems

Globalization Impact in Technological Changes towards Electric Drive Efficiency	95
<i>A. Spahiu, P. Marango</i>	
Using Labview Software in Control and Simulation of Parabolic Solar Panels in Order to Produce Thermal and Electrical Energy for Touristic Places in Development Countries	101
<i>Th. Koblara et.al.</i>	
Identification of Commercial Losses in Electrical Power System in Kosovo.....	107
<i>M. Dugolli, P. Kopacek (Kosovo, Austria)</i>	

Engineering Management

Engineering Management Postgraduate Programs in Kosovo: A Contribution to International Stability	111
<i>P. Kopacek, L. Stapleton</i>	
Communications Management in Partially Distributed Teams.....	117
<i>J. J. Willis</i>	
Strategic Planning in Small and Medium Enterprises at Tourism Sector in Kosovo	123
<i>L. Spahiu, P. Kopacek</i>	
Urban Management in Kosovo and Policy Options	129
<i>B. Beqaj</i>	

Collaborative and Individualistic Approaches

Online Social Networking and Community: A Manifesto for Human Centred Systems Engineering	133
<i>D. Collins, L. Stapleton</i>	

Improved Multidisciplinary Multiobjective Collaborative Optimization Technique Based on
NSGA-II Algorithm 139
H. Li et.al.

How Has Globalization Shaped the Course of International Relations: Are we Moving
Closer or Further Apart? 145
V. Z. Murtezaj

Health in the Service of Stability

Systems Development and Key Success Factors in Large Scale Telemedicine Projects:
Preliminary Findings of a Post-Conflict Country Case Study..... 149
A.Kealy, L.Stapleton

Investigating Epidemic Diseases Characterized by Vertical Transmission and Contract:
Cellular Automata Computational Model..... 155
C. L. Chang et.al.

Panel Discussion

Some Aspects of Societal and International Stability and Change..... 161
D. Brandt, G.Feichtinger, P.Kopacek, L.Stapleton