

Preface

We welcomed participants to the 1st EurAsian Conference on Advances in Information and Communication Technology (EurAsia-ICT 2002) held in Iran. The aim of the conference was to serve as a forum to bring together researchers from academia and commercial developers from industry to discuss the current state of the art in ICT, mainly in Europe and Asia. Inspirations and new ideas were expected to emerge from intensive discussions during formal sessions and social events.

Keynote addresses, research presentation, and discussion during the conference helped to further develop the exchange of ideas among the researchers, developers, and practitioners who attended.

The conference attracted more than 300 submissions and each paper was reviewed by at least three program committee members. The program committee selected 119 papers from authors of 30 different countries for presentation and publication, a task which was not easy due to the high quality of the submitted papers. Eleven workshops were organized in parallel with the EurAsia-ICT conference. The proceedings of these workshops, with more than 100 papers, were published by the Austrian Computer Society.

We would like to express our thanks to our colleagues who helped with putting together the technical program: the program committee members and external reviewers for their timely and rigorous reviews of the papers, and the organizing committee for their help in administrative work and support. We owe special thanks to Thomas Schierer for always being available when his helping hand was needed.

Finally, we would like to thank all the authors who submitted papers, authors who presented papers, and the participants who together made this conference an intellectually stimulating event through their active contributions..

We enjoyed a successful conference and hope that the participants enjoyed the hospitality of Iran.

October 2002

M. Hassan Shafazand
(Shahid Bahonar University of Kerman, Iran)
A Min Tjoa (Vienna University of Technology, Austria)

Program Committee

Honorary Chairpersons

- W. Grafendorfer, President of the International Federation of Information Processing, Austria
R. Kneucker, Director – General of the Division of Scientific Research and International Affairs, Austria
M. Shafiee, Deputy Minister of Post, Telegraph and Telephone, Iran

Conference Organizing Committee

- E. Neuhold, Fraunhofer-IPSI and Technical University of Darmstadt, Germany
H. Rabiee, AICTC and Sharif University, Iran

Program Chairpersons

- M.H. Shafazand, Shahid Bahonar University of Kerman, Iran
A M. Tjoa, Technical University of Vienna, Austria
K. Badie, ITRC, Iran

Program Committee Members

- K. Aberer, EPFL-DSC, Switzerland
H. Afsarmanesh, University of Amsterdam, The Netherlands
A. Al-Zobaidie, University of Greenwich, UK
M. Albadavi, Tarbiat Modares University, Iran
M. Arikawa, University of Tokyo, Japan
F. Badran, Conservatoire National des Arts et Metiers, France
T.P. Bagchi, IIT Kanpur, India
J.-P. Bahsoun, Université Paul Sabatier-IRIT, France
K. Barkaoui, CNAM, Paris, France
M. Beikzadeh, ITRC, Iran
B.K. Bhargava, Purdue University, USA
P. Bollerslev, Gyldendal Education, Denmark
A. Bondavalli, University of Florence, Italy
E. Borcoci, University Politehnica Bucharest, Romania
M. Bouzeghoub, University of Versailles, France
C.J. Breiteneder, Vienna University of Technology, Austria
S. Bressan, National University of Singapore, Singapore
B. Buchberger, Johannes Kepler University, Austria
C. Cap, University of Rostock, Germany
W. Cellary, Poznan University of Economics, Poland
N. Chakraborti, Indian Institute of Technology (IIT), India
S. Chaudhury, IIT, India
W.-S.E. Chen, National Chung-Hsing University Taiwan, Taiwan
E. Cloete, University of South Africa, South Africa
P. Cunningham, Trinity College Dublin, Ireland

E. Damiani, Università di Milano, Italy
 M. Dastani, Utrecht University, The Netherlands
 U. Dayal, Hewlett-Packard Laboratories, USA
 V. De Antonellis, University of Brescia, Italy
 J. Debenham, University of Technology, Sydney, Australia
 J. Diaz, Universitat Politècnica Catalunya, Spain
 V. Diekert, University of Stuttgart, Germany
 D. Dietrich, Vienna Technical University, Austria
 F. Dignum, Utrecht University, The Netherlands
 V. Dignum, Achmea and Utrecht University, The Netherlands
 A. Djunaidy, Sepuluh Nopember Institute of Technology, Indonesia
 M. Dorigo, Université Libre de Bruxelles, Belgium
 A. Düsterhöft, University of Wismar, Germany
 C. Edwards, Lancaster University, UK
 F. Eliassen, Simula Research Laboratory, Norway
 A. El-Idrissi, National School of Mineral Industry, Morocco
 L. Ferreira Pires, University of Twente, The Netherlands
 A. Ferko, Comenius University, Bratislava, Slovakia, and TU Graz, Austria
 A. Ferscha, University of Linz, Austria
 F.G. Filip, Romanian Academy, Romania
 E. Flerackers, Limburg University Center, Belgium
 M. Gaedke, University of Karlsruhe, Germany
 J. Gruska, Masaryk University, Czech Republic
 R. Guerraoui, EPFL, Switzerland
 R. Hagelauer, Johannes Kepler University, Linz, Austria
 A. Hameurlain, IRT-University Paul Sabatier, Toulouse, France
 Z. Hanzalek, Czech Technical University, Czech Republic
 S. Harous, University of Sharjah, UAE
 S. Hashemi, University of Houston-Downtown, USA
 D.L. Hicks, Aalborg University Esbjerg, Denmark
 S. Hong, Seoul National University, Korea
 C. Huemer, University of Vienna, Austria
 I.K. Ibrahim, Utrecht University, The Netherlands
 R.E. Indrajit, Perbanas School of Computing, Indonesia
 Y.E. Ioannidis, University of Athens, Greece
 R. Jalili, Sharif University of Technology, Iran
 P. Jalote, I.I.T. Kanpur, India
 A. Jaoua, University of Qatar, Qatar
 L.A. Kalinichenko, Russian Academy of Sciences, Russia
 Y. Kambayashi, Kyoto University, Japan
 H. Kawano, Kyoto University, Japan
 M. Kitsuregawa, Tokyo University, Japan
 W. Klas, University of Vienna, Austria
 H. Krawczyk, Technical University of Gdansk, Poland
 T.-W. Kuo, National Taiwan University, Taiwan
 L. Kutvonen, University of Helsinki, Finland
 W. Lamersdorf, University of Hamburg, Germany
 J. Lazansky, Czech Technical University, Czech Republic
 X. Li, Tsinghua University, China

E.-P. Lim, Nanyang Technological University, Singapore
J. Yi-Bing Lin, National Chiao Tung University, Taiwan
L. Lo Bello, University of Catania, Italy
S.K. Madria, University of Missouri-Rolla, USA
V. Malyshkin, Russian Academy of Sciences, Russia
M. Marchiori, W3C/MIT, University of Venice, Italy
V. Marik, Czech Technical University, Czech Republic
M.J. Matsumoto, University of Tsukuba, Japan
H. Maurer, Graz University of Technology, Austria
J. Misic, Hong Kong University of Science, Hong Kong
B. Mitschang, University of Stuttgart, Germany
R. Moghimi, K.N. Toosi University of Technology, Iran
M. Mohania, IBM India Research Lab, India
F. Moller, University of Wales, Swansea, UK
B. Montazeri, Razi University, Iran
R. Morel, TC3 IFIP, Vice-Chairman, CPTIC, Switzerland
L. Motus, Tallinn Technical University, Estonia
M. Mühlhäuser, Darmstadt Technical University, Germany
F. Naghdy, University of Wollongong, Australia
J. Nawrocki, Poznan University of Technology, Poland
L. Neumann, Technical University of Vienna, Austria
S. Ohsuga, Waseda University, Japan
H. Oinas-Kukkonen, University of Oulu, Finland
J.L. Oliveira, Universidade de Aveiro, Portugal
M. Papazoglou, University of Tilburg, The Netherlands
F.-N. Pavlidou, Aristotle University of Thessaloniki, Greece
G. Pernul, University of Essen, Germany
F. Petit, LaRIA, University of Picardie, France
F. Pichler, Johannes Kepler University of Linz, Austria
G. Pongor, Budapest University of Technology, Hungary
B. Pröll, Johannes Kepler University of Linz, Austria
G. Quirchmayr, University of Vienna, Austria
H. Radha, Michigan State University, USA
H.A. Ramadhan, Sultan Qaboos University, Oman
M. Raynal, IRISA, Université de Rennes, France
S. Reich, Salzburg Research, Austria
W. Reisig, Humboldt University Berlin, Germany
W. Retschitzegger, Johannes Kepler University of Linz, Austria
N. Revell, Middlesex University, UK
L. Rodrigues, University of Lisbon, Portugal
G. Rossi, LIFIA-UNLP, Argentina
M.H. Safar, Kuwait University, Kuwait
D. Saha, Jadavpur University and IIM, India
D. Sanghi, IIT Kanpur, India
E. Schweighofer, University of Vienna, Austria
P. Sénac, ENSICA, France
T.K. Shih, Tamkang University, Taiwan
S.Y. Shin, Korea Advanced Institute of Science and Technology, KAIST,
South Korea

M. Sperka, Slovak University of Technology, Slovakia
M. Stal, Siemens AG, Germany
R. Steinmetz, Darmstadt Technical University, Germany
S.Y.W. Su, University of Florida, USA
Y. Suenaga, Nagoya University, Japan
K. Tanaka, Kyoto University, Japan
S. Teufel, University of Fribourg, Switzerland
J. Tiuryn, Warsaw University, Poland
F. Tolba, Ainshams University, Egypt
E. Tovar, University of Porto, Portugal
R. Traunmüller, University of Linz, Austria
J. Vejjalainen, University of Jyväskylä, Finland
R. Weigel, University of Linz, Austria
M. Welzl, University of Innsbruck, Austria
U.K. Wiil, Aalborg University Esbjerg, Denmark
M. Wirsing, University of Munich, Germany
K.Y. Wohn, Korea Advanced Institute of Science and Technology (KAIST),
South Korea
V. Wolfengagen, JurInfoR-MSU Institute, Russia
N. Yamanaka, NTT Network Innovation Labs, Japan
J.X. Yu, Chinese University of Hong Kong, Hong Kong, China
A. Zaslavsky, Monash University, Australia
A. Zhou, Fudan University, China

List of External Reviewers

Ana Afonso	Tudor Jebelean
Toni Alatalo	Ersin Kaletas
Abdullah Al-Mutawa	Hayat Kara
Osamah Al-Sayegh	Mehmet Karaata
Holger Austinat	Lami Kaya
Tobias Baier	Zoubida Kedad
Walter Bartek	Dohan Kim
Andreas Bartelt	Taehoon Kim
Berta Batista	Piotr Kosiuczenko
Hubert Baumeister	Manfred Kufleitner
Adam Belloum	Temur Kutsia
Ammar Benabdelkader	Inso Kwon
Lars Braubach	Miroslav Licko
Pavel Burget	Markus Lohrey
Josef Capek	Rui Pedro Lopes
Somchai Chatvichienchai	Stephane Lopes
Silvano Chiaradonna	Allooua Maamir
Kyung-Yong Chwa	Michael Mackay
Andrea Coccoli	Zoubir Mammeri
Domenico Cotroneo	Jouni Markkula
Alain Cournier	Philip Meier
Zoran Despotovic	M. Melchiori
João Paulo de Andrade Almeida	Stephan Merz
S. De Capitani di Vimercati	Oliver Meyer
Remco Dijkman	Hugo Miranda
Felicita Di Giandomenico	Paulo Monteiro
Ondrej Dolejs	Jean-Frédéric Myoupo
Fredj Drid	Miyuki Nakano
Horst Eidenberger	Masato Oguchi
Mohamed Elaffendi	Filipe Pacheco
Ashraf Elnagar	Seppo Pahnala
Dietrich Fahrenholtz	Chong-Dae Park
Didier Ferment	Jungkeun Park
Luis Lino Ferreira	Min Je Park
Cesar Garita	Sangmin Park Holger Petersen
Victor Guevara	Dimitris Pezaros
Giancarlo Guizzardi	Willy Picard
Hyungjin Ha	Erhard Plödereder
Rolf Hennicker	Alexander Pokahr
Ulrich Hertrampf	Stefano Porcarelli
Chayoun Hong	Iko Pramudiono
Zhisheng Huang	Bowo Prasetyo
Abdullah Hussein	Torsten Priebe
Mohammed Jaragh	Dick Quartel
Michal Jasinski	Amar Ramdane-Cherif

Ralf Rantau
Markus Rosenkranz
Jarogniew Rykowski
Minsoo Ryu
Rachid Samouda
Michael Sampels
Beatriz Sousa Santos
Torsten Schlichting
Holger Schwarz
David Semé
Seunghyup Shin
Mario Silva
Mikko Siponen
Paul Smith
Mikolaj Sobczak
Krzysztof Socha
Sergiusz Strykowski
Katsumi Takahashi
Taro Tezuka
Siegbert Tiga
Masashi Toyoda
Gil Utard
Leon van der Torre
Marten van Sinderen
Vincent Villain
Libor Waszniowski
Nicole Weicker
Harald Weinreich
Marco Wiering
Adam Wojciechowski
Saneyasu Yamaguchi
David Yat Kwan Tang
Haruo Yokota
Christopher Zach
Shuigeng Zhou
Christian Zirpins

EurAsia-ICT 2002: Information and Communication
Technology

First EurAsian Conference, Shiraz, Iran, October 29-31,
2002, Proceedings

Shafazand, M.H.; Tjoa, A.M. (Eds.)

2002, XXIV, 1028 p., Softcover

ISBN: 978-3-540-00028-0