Day 1: October 15, 2008
Location: American University of Sharjah, Main Building

Opening Ceremony: 9:30 a.m.–9:40 a.m.
Program Chairs, Organizing Chairs

Session 1: 9:40 a.m.–1:00 p.m.
"Mobile Computing and Software Quality"
Session Chair: Sergei Gorlatch
9:40 a.m.–10:30 a.m. +10-minute discussion
Invited talk:
"Runtime Properties of Mobile Systems: Gaining Insight by Architecture Simulation"
Professor Volker Gruhn
Leipzig University, Leipzig Germany

Coffee Break (1) 10:40 a.m.–11:10 a.m.

11:10 a.m.–11:50 a.m.
"Evaluating Software Development Methodologies Based on their Practices and Promises"
Parastoo Mohagheghi
SINTEF, Oslo, Norway

11:50 a.m.–12:20 p.m.
"The Correlation of Software Testing Efforts and Software Project Estimation: An Empirical Study"
Junaid Aziz, Faheem Ahamed, Piers Campbell, Ahmad Jaffar
United Arab Emirates University, Al Ain, UAE

12:20 p.m.–12:50 p.m.
"Linear Mathematical Driver for the Future of Software Testing Process"
Asim A. Elsheikh, Salahideen M. Alhaj, Linda R. Alnaqeeb
Arab Academy for Banking and Financial Sciences, Amman, Jordan

12:50 p.m.–1:00 p.m.
Poster session to be announced

Lunch (1) 1:00 p.m.–2:30 p.m.

Session 2: 2:30 p.m.–4:10 p.m.
"Software Development and Optimization Factors"
Session Chair: Jun Hakura
2:30 p.m.–3:20 p.m. +10-minute discussion
Invited talk:
"Developing a Unique Collaborative System—Optimization-Ware": Using a Novel Massive

Day 2: October 16, 2008
Location: Al Jawhara 1 (First Floor) Millennium Hotel, Sharjah

Registration (4): 8:00 a.m.–8:30 a.m.
Arrival Coffee and Tea

Session 4: 8:30 a.m.–10:30 a.m.
"Aspects of Requirement Engineering"
Session Chair: Domenico Pisanelli
8:30 a.m.–9:20 a.m. +10 minute discussion
Invited Talk
"Some Observations on Elusion, Enrichment and Domination"
Guy Davies and Love Ekenberg
Stockholm University and the Royal Institute of Technology, Sweden

9:30 a.m.–10:00 a.m.
"An Algorithm for Ordering Refactorings Based on Fine-Grained Model Transformation"
Emmad Saadeh, Derrick Kourie, Andrew Boake
School of Information Technology, University of Pretoria, South Africa
10:00 a.m.–10:30 a.m.
“Application of Software Mining to Automatic User Interface Generation”
Richard Kennard and Robert Steele
Faculty of Information Technology, University of Technology, Sydney, Australia

Coffee Break (3) 10:30 a.m.–11:00 a.m.

Session 5: 11:00 a.m.–1:00 p.m.
“Agile Software and Agent Systems”
Session Chair: Volker Gruhn
11:00 a.m.–11:50 a.m.
Invited talk:
“Value-Driven Agile Adoption: Improving an Organization’s Software Development Approach”
Ahmed Sidky and James D. Arthur
http://www.x2aconsulting.com/

11:50 a.m.–12:30 p.m.
“Designing and Implementing B2B Applications Using Argumentative Agents”
Jamal Bentahar*, Nanjangud Narendra*, Zakaria Maamar*,
Rafiu Alam*, Philippe Thiran*
*Concordia University, Canada
*IBM India Research Lab, India
*Zayed University, UAE
*Namur University, Belgium

12:30 p.m.–1:10 p.m.
Imran A. Zulkernan
American University of Sharjah, UAE

Lunch (2) 1:10 p.m.–2:30 p.m.
Millennium Hotel
Mojo Restaurant, First Floor

Session 6: 2:30 p.m.–3:30 p.m.
“Real-Time Aspect in Software and Security”
Session Chair: Nikolay Mirenkov
2:30 p.m.–3:20 p.m.
“User-Oriented Software Development for Real-Time Online Applications”
Sergei Gorlatch*, Frank Glinka*, Alexander Ploss*, Allaithy Raed*, Hamido Fujita*
*University of Muenster, Muenster, Germany
*Iwate Prefectural University, Iwate, Japan

15:20–15:30
Ben Swarup Medikonda and Seetha Ramialah Pancharmarthy
Andhra University College of Engineering, Visakhapatnam, India

Coffee Break (4) 3:30 p.m.–4:00 p.m.

Session 7: 4:00 p.m.–6:00 p.m.
“Cognitive Aspects in Software”
Session Chairs: Ernest Edmonds and Bipin Indurkhya
4:00 p.m.–4:30 p.m.
“An Ontology Supporting a Car Advanced Driver Assistance System”
Domenico M. Pisanelli*, Claudio De Lazzari*, Emilio Bugli-Innocenti*, Norma Zanetti*
*National Research Council, Institute of Cognitive Science and Technology, Rome, Italy
*National Research Council, Institute of Clinical Physiology, Section of Rome, Italy
*Netxcalibur, Florence, Italy

4:30 p.m.–5:00 p.m.
Hamido Fujita, Jun Hakura, Masaki Kurematsu, Shigekazu Chida, Yuko Arakawa
Intelligent Software Laboratory, Iwate Prefectural University, Iwate, Japan

5:00 p.m.–5:30 p.m.
“An Automatic Facial Expression Recognition Method Using Situational Information”
Jun Hakura, Shigekazu Chida, Masaki Kurematsu, Hamido Fujita
Intelligent Software Laboratory, Iwate Prefectural University, Iwate, Japan

5:30 p.m.–6:00 p.m.
“An Emotion Estimation from Human Speech Using Speech Recognition and Speech Synthesize”
Masaki Kurematsu, Marina Ohashi, Orimi Kinosita, Jun Hakura, Hamido Fujita
Intelligent Software Laboratory, Iwate Prefectural University, Iwate, Japan

7:30 p.m.–10:00 p.m.
Gala Dinner
Millennium Hotel
Venue: Pool Area B- Sea View
Day 3: October 17, 2008
Location: Al Jawhara 1 (First Floor)
Millennium Hotel, Sharjah

8:00 a.m.–8:30 a.m.
Arrival Coffee and Tea

Session 8: 8:30 a.m.–10:30 a.m.
"Intelligent User Interaction and Software"
Session Chair: Ahmed Sidkey

Invited talk:
"Shaping Forms on the Web with a Collective Memory"
Ernest Edmonds and Shigeki Amitani
Creativity and Cognition Studios, Australasian CRC for Interaction Design
University of Technology, Sydney, Australia

9:20 a.m.–10:00 a.m.
"Experiments with a Creativity-Support System based on Perceptual Similarity"
Bipin Indurkhya, Kailash Kattalay, Amitash Ojha, Pradhee Tandon
International Institute of Information Technology, Hyderabad, India

10:00 a.m.–10:30 a.m.
"The Organization of Time and Space in Three Gestural Media"
Roman Danylak and Ernest Edmonds
Creativity and Cognition Studios, University of Technology, Sydney, Australia

Coffee Break (5) 10:30 a.m.–11:00 a.m.

Session 9: 11:00 a.m.–12:50 p.m.
"Software Security and Program Correctness"
Session Chair: Yutaka Funyu and Jun Sasaki

11:00 a.m.–11:35 a.m.
"Formal Reasoning for Security Protocol Correctness"
Kamel Adi and Liviu Pene
Computer Security Research Laboratory
Université du Québec en Outaouais, Gatineau, Canada

11:35 a.m.–12:10 p.m.
"Incorporating Security into Software Development Process"
R. Yoshioka, Y. Watanobe, N. Mirenkov
University of Aizu, Aizu-Wakamatsu, Japan

12:10 p.m.–12:45 p.m.
"Enforcing Security Policies Using Algebraic Approach"
Mohamed Mejri\textsuperscript{a} and Hamido Fujita\textsuperscript{b}
\textsuperscript{a}Laval University, Québec, Canada
\textsuperscript{b}Iwate Prefectural University, Iwate, Japan

Lunch (3) 12:50 p.m.–2:00 p.m.
Millennium Hotel
Mojo Restaurant, First Floor

Session 10: 2:00 p.m.–3:25 p.m.
"Software Design for Reactive System and Applications"
Session Chair: Msasaki Kurentsu

2:00 p.m.–2:30 p.m.
"Design Concept of Automatic Program Generation Tool for Reactive Requirement"
Osamu Arai and Hamido Fujita
Intelligent Software Laboratory, Iwate Prefectural University, Iwate, Japan

2:30 p.m.–2:55 p.m.
"Towards Verifying Declarative Specifications of Reactive Systems"
Tae K Ameda\textsuperscript{a}, Osamu Arai\textsuperscript{b}, Sergei Gorlatch\textsuperscript{c}, Hamido Fujita\textsuperscript{d}
\textsuperscript{a}Soka Women’s College, Japan
\textsuperscript{b}Arai Professional Engineer’s Office, Japan
\textsuperscript{c}University of Muenster, Germany
\textsuperscript{d}Iwate Prefectural University, Japan

2:55 p.m.–3:25 p.m.
"A Proposal of Life-Support-Network Architecture for Elderly People Living in Rural Areas"
Jun Sasaki, Keizo Y Amada, Michiru Tanaka, Yutaka Funyu
Iwate Prefectural University, Iwate, Japan

3:25 p.m.–3:30 p.m.: Hamido Fujita and George Feuerlicht
Closing of SOMET 08 and the official announcement of SOMET 09 in Prague

An optional desert safari tour will begin at 3:30 p.m.
Please be ready to leave with us. The safari fees are 180 AED per person and are payable at the registration desk.
Advanced Program

SOMET 08
October 15-17, 2008
Sharjah, UAE

Registration (1)
October 14, 7:00 p.m.–8:00 p.m., Holiday International Hotel Lobby

Registration (2)
October 15, 7:30 a.m.–8:00 a.m., Holiday International Hotel Lobby
8:00 a.m.: Buses Leave from Holiday International for American University of Sharjah

Registration (3)
American University of Sharjah, Main Building
October 15, 8:30 a.m.–9:30 a.m.