

March 23, Wednesday

Parallel Sessions

Image Understanding 1:30-3:00

Chair: Pau-Choo Chung
National Cheng Kung University, Tainan

Monique THONNAT
INRIA Sophia Antipolis
*A Cognitive Vision Platform for
Semantic Image Understanding*

Ruey-Feng Chang
National Chung Cheng University,
Chia-Yi
*Computer-aided Diagnosis for 2D/3D
Breast Ultrasound*

Jenn-Jier Lien
National Cheng Kung University, Tainan
Human-Computer Interaction

3:00 Coffee Break

Real-time and Embedded Systems 3:30-5:00

Chair: Tei-Wei Kuo
National Taiwan University, Taipei

Nicolas NAVET
LORIA / INRIA Lorraine
*Creating new real-time scheduling
policies: why and how*

Chung-Ping Young,
National Cheng Kung University, Tainan

Chi-Sheng Shih
National Taiwan University, Taipei
*Researches for Embedded Real-Time
Systems at National Taiwan University*

Information Security (1) 1:30-3:00

Chair: Chi-Sung Laih
National Cheng Kung University, Tainan

Marc JOYE
Gemplus Inc.
*Encryption Schemes: From Ancient
Egypt to Identity-Based Encryption*

Tzong-Chen Wu
National Taiwan University of Science
and Technology, Taipei
*A structured multisignature scheme from
the gap Diffie-Hellman group*

Chung-Huang Yang
National Kaohsiung Normal University
*Modular Arithmetic: From Ancient India
to Public-Key Cryptography*

3:00 Coffee Break

Information Security (2) 3:30-5:00

Chair: D. J. Guan
National Sun Yat Sen University ,
Kaohsiung
*Security Proof of Cryptosystems and
Signature Schemes*

Fabien POUGET
Eurecom
*CADHO: Collection and Analysis of
Data from Honeypots*

Bo-Yin Yang
Tamkang University, Taipei
*Some Recent Advances in Multivariate
Cryptography*

18:00 Banquet

March 24, Thursday

Parallel Sessions

Formal Verification (1) 10:40-12:10

Chair: Yih-Kuen Tsay
National Taiwan University, Taipei

Jean-Pierre Jouannaud
LIX Polytechnique
*A New Generation of Proof-Assistants
Integrating Small Proof Engines*

Christine Paulin
INRIA Futurs
A Tool for Reasoning on Java Programs

12:10 Lunch Break

Formal Verification (2) 13:30-15:00

Chair: Christine Paulin
INRIA Futurs

Claude Kirchner
LORIA / INRIA Lorraine
Certification of Pattern Matching Code

Tyng-Ruey Chuang
Academia Sinica, Taipei
*Understanding Dependent Data Types:
Its Calculus and Algebra*

Yih-Kuen Tsay
National Taiwan University, Taipei
*Modular Verification in Temporal Logic
with Machine Assistance*

Multi-media Processing (1)

10:40-12:10
Chair: Jar-Ferr Yang
National Cheng Kung University, Tainan

Francoise PRETEUX
INT ARTEMIS

Chia-Wen Lin
National Chung Cheng University,
Chia-Yi
*Content Adaptation and Error Control
for Robust Video Streaming over
Heterogeneous Networks*

12:10 Lunch Break

Bioinformatics 13:30-15:00

Chair: Kun-Mao Chao
National Taiwan University, Taipei
Haplotype Inference by Pure Parsimony

Jean-Marc STEYAERT
LIX Polytechnique

Jenn-Kang Hwang
National Chiao Tung University,
HsinChu

15:00-15:30 Coffee Break
15:30-18:00 Tainan City Tour

March 25, Friday

Parallel Sessions

Formal Verification (3) 9:00-10:30

Chair: Bow-Yaw Wang
Academia Sinica, Taipei

Laurent Fribourg
LSV Cachan
Coupling and Self-Stabilization

Farn Wang
National Taiwan University, Taipei
Greatest Fixpoint Evaluation of TCTL

10:30 Coffee Break

Formal Verification (4) 10:40-12:10

Chair: Laurent Fribourg
LSV Cachan

Dale Miller
LIX Polytechnique
Proof Theory and Model Checking

Bow-Yaw Wang
Academia Sinica, Taipei
Model Checking with Different Techniques

Multi-media Processing (2) 9:00-10:30

Chair: Jen-Shin Hong
National Chi Nan University, Puli

Samuel CRUZ-LARA
LORIA / INRIA Lorraine
Handling Multilingual Content in Digital Media

Chung-Hsien Wu
National Cheng Kung University, Tainan

10:30 Coffee Break

Web Mining and Agent 10:40-12:10

Chair: Vincent S.M. Tseng
National Cheng Kung University, Tainan
Mining Navigation Patterns with Considerations of Web Temporality and Mobile Web Environments

Jean-Charles LAMIREL
LORIA / INRIA Lorraine
Unsupervised rules extraction using neural numerical classification models : application to Patent analysis and Web mining

Hung-Yu Kao
National Cheng Kung University, Tainan
Informative Structure and Information Hierarchy Mining in a Systematic Web site

12:10 Farewell