

Program of the Workshop on Computation: Theory and Practice (WCTP-2011)

September 12, 2011 (Monday)

0800 - 0900 Registration

0900 **Opening Ceremony**

Welcome Remarks:

Prof. Masayuki Numao on behalf of

Prof. Katsuaki Suganuma

Director, International Collaboration Center, The Institute of Scientific and Industrial Research,
Osaka University

Morning Session 1

Chair: Prof. Shin-ya Nishizaki, Tokyo Institute of Technology

0920 - 1000 Invited Talk:

Biology, Computation and Formal System Biology

Prof. Naoki Yonezaki

Department of Computer Science, Graduate School of Information Science and Engineering
Tokyo Institute of Technology

1000 - 1025 *Some Notes on Spiking Neural dP Systems and Petri Nets*

Francis George Cabarle and Henry Adorna

1025 - 1045 Refreshments

Morning Session 2

Chair: Prof. Shigeki Hagihara, Tokyo Institute of Technology

1045 - 1110 *PROJECTION Algorithm for Motif Finding on GPUs*

Jhoirene Clemente, Francis George Cabarle and Henry Adorna

1110 - 1135 *Controlled Rewriting Distributed P Systems*

Kelvin Buño and Henry Adorna

1135 - 1200 *Computing on Evolution-Communication P Systems with Energy Using Symport Only*

Richelle Ann Juayong and Henry Adorna

1200 Lunch Break

Afternoon Session 1

Co-Chairs: Prof. Merlin Teodosia Suarez, De La Salle University-Manila

Dr. Roberto Legaspi, The Institute of Scientific and Industrial Research, Osaka University

1300 - 1400 Masters and Doctoral Consortium

Afternoon Session 2

Chair: Prof. Allan Sioson, Ateneo de Naga University

1400 - 1425 *Abstraction of Operations of Aspect-Oriented Languages*

Sosuke Moriguchi and Takuo Watanabe

1425 - 1450 *Modifiable Continuation in Object Calculus*

Emiko Kuma, Shin-ya Nishizaki and Takuo Watanabe

1450 - 1515 *Completeness of a Deduction System for Relational Information between Ciphertexts based on Probabilistic Computational Semantics*

Shigeki Hagihara, Hiroaki Oguro and Naoki Yonezaki

1515 - 1535 Refreshments

Afternoon Session 3

Chair: Prof. Takuo Watanabe, Tokyo Institute of Technology

1535 - 1600 *Detection of the Music or Video Files in BitTorrent*

Zhou Zhiqiang and Noriaki Yoshiura

1600 - 1625 *MOD-G Protocol: A Communication Protocol for an Empathic Network*

Juan Miguel Bartolome, David Andro Rivera, Orison Rosalin, Geordan Tan, Arturo Caronongan,
Edward Choi, Nellie Margaret Chua, Gregory Cu and Merlin Suarez

1700 **Reception Cocktail**

Program of the Workshop on Computation: Theory and Practice (WCTP-2011)

September 13, 2011 (Tuesday)

0800 - 0900 Registration

Morning Session 1

Chair: Prof. Masayuki Numao, The Institute of Scientific and Industrial Research, Osaka University

0900 - 0940 Invited Talk:

Empathic Computing and Psychological Laboratory Techniques in the Study of Academic Emotions

Adrienne John Galang

De La Salle University-Manila, University of the Philippines-Diliman

0940 - 1005 *Towards Empathic Support Provision for Computer Users*

Rhia Trogo, Merlin Suarez, Roman Joseph Aquino, Joshua Battad, Charlene Frances Ngo and Gemilene Uy

1005 - 1030 *Analysis of Music Timbre Features for the Construction of a User-Specific Affect Model*

Hal Gino Avisado, John Vincent Cocjin, Joshua Alexei Gaverza, Rafael Cabredo, Jocelynn Cu and Merlin Suarez

1030 - 1050 Refreshments

Morning Session 2

Chair: Prof. Henry Adorna, University of the Philippines-Diliman

1050 - 1115 *Time-Interval Clustering in Sequence Pattern Recognition as Tool for Behavior Modeling*

Roberto Legaspi, Danaipat Sodkomkham, Kazuya Maruo, Kenichi Fukui, Koichi Moriyama, Satoshi Kurihara and Masayuki Numao

1115 - 1140 *Measuring the Usability of a Low-Cost 3D Infrared Tracking and Wiimote-Based Interface*

Christian Jonathan Chan, Mark Anthony Morada, Ma. Rowena Solamo and Rommel Feria

1140 - 1205 *Finding Motifs in Psychophysiological Responses and Chord Sequences*

Rafael Cabredo, Roberto Legaspi and Masayuki Numao

1205 Lunch Break

Afternoon Session 1

Co-Chairs: Prof. Merlin Teodosia Suarez, De La Salle University-Manila

Dr. Roberto Legaspi, The Institute of Scientific and Industrial Research, Osaka University

1300 - 1400 Masters and Doctoral Consortium

Afternoon Session 2

Chair: Prof. Jaime Caro, University of the Philippines-Diliman

1400 - 1440 Invited Talk:

What Computer Can Do When It Knows Learning/Instructional Theories

Prof. Riichiro Mizoguchi

Division of Information and Quantum Sciences

The Institute of Scientific and Industrial Research, Osaka University

1440 - 1505 *Categorizing and Comparing Behaviors of Students Engaged in Self-initiated Learning Online*

Paul Salvador Inventado, Roberto Legaspi, Merlin Suarez and Masayuki Numao

1505 - 1530 *Emotional Narration of Children's Stories*

Jon Aaron Alcantara, Louie Patrice Lu, John Kynne Magno, Zhayne Soriano, Ethel Ong and Ron Resurreccion

1530 - 1555 *Method for Representing User's Context on a PC*

Mitsuhiro Matsumoto, Shinichi Okano, Tetsuo Morita, Masayuki Numao and Satoshi Kurihara

1555 - 1615 Refreshments

Afternoon Session 3

Chair: Dr. Roberto Legaspi, The Institute of Scientific and Industrial Research, Osaka University

1615 - 1645 Panel Discussion

1700 Closing Ceremony

Closing Remarks:

Prof. Nobuaki Otsuki

Director, Philippines Office, Tokyo Institute of Technology