

The First International Conference on
Theories and Applications of Computer Science 2006

ICTACS 2006 FINAL PROGRAM

Ho Chi Minh, August 3rd – 5th, 2006
University of Natural Sciences – VNUHCM

August 3rd, 2006

The Central Conference Hall –Building I

8:00

Opening speech

Prof. Dr. Duong Ai Phuong, Rector, HCMUNS, Vietnam

8:30

Welcome speech

Dr. Duong Anh Duc, Conference Chair

9:00

Invited speech

Software Systems for Implementing Graph Algorithms for Learning and Research

Prof. Jay Bagga, Ball State University, USA

9:45 Coffee break

Track: Artificial Intelligence, Bioinformatics, and Algorithm

Co-Chairs: **Prof. J. C. Tay**, NUS, Singapore and **Dr. Duong Anh Duc**, HCMUNS, Vietnam

10:00

A SIMPLIFIED HIDDEN MARKOV MODEL FOR CELL PHASE RECOGNITION

Dat Tran, Tuan Pham

University of Canberra, Australia

James Cook University, Australia

10:30

A MULTIPLE SEQUENCE ALIGNMENT VIA DC PROGRAMMING AND DCA

Le Thi Hoai An, Belghiti M. Tayeb, Pham Dinh Tao

University of Paul Verlaine – Metz, France

11:00

DESIGN AND IMPLEMENTATION OF A PROCESS MIGRATION SYSTEM FOR THE LINUX ENVIRONMENT

Nalini Vasudevan, Prasanna Venkatesh

Yahoo! Software Development India

11:30

COOPERATION IN THE PREY-PREDATOR PROBLEM
WITH LEARNING CLASSIFIER SYSTEM

Trung Hau Tran, Cédric Sanza, Yves Duthen, Dinh Thuc Nguyen

Paul Sabatier University – Toulouse III, France

12:00

AUTOMATIC QUESTION EXTRACTION FROM MEETING AND DIALOG RECORDING

Vu Minh Quang, Eric Castelli, Laurent Besacier, Pham Thi Ngoc Yen

MICA International Research Center, Hanoi, Vietnam

12:20

ADAPTIVE PHASE UNWRAPPING ALGORITHM

M.J. Huang

Dep. Of Mech. Eng., National Chung Hsing University, Taichung, Taiwan

12:30 Having Lunch

14:00

Invited speech

New Trends in Cryptology

Dr. Phong Q. Nguyen, ENS, France

14:45 Coffee break

Track: Computer Vision & Pattern Recognition

Co-Chairs: **Dr. Jesper Jansson**, Kyushu University, Japan and **Prof. Cao Hoang Tru**, HCMUT, Vietnam

15 :00

GRAPH-BASED MODEL FOR OBJECT RECOGNITION

Pham Trong-Ton, Augustin Lux, Tran Thi Thanh Hai

INPG, INRIA Rhône-Alpes, France

15 :30

IMAGE RETRIEVAL BASED ON VISUAL CONCEPT ONTOLOGY AND AUTOMATIC IMAGE ANNOTATION

Quoc Ngoc Ly, Anh Duc Duong, Thach Thao Duong, Duc Thanh Ngo

University of Natural Sciences, VNU-HCM

16:00

MULTIMODAL INTERACTIONS FOR MULTIMEDIA CONTENT ANALYSIS

Thomas Martin, Jean-Marc Ogier, Alain Boucher

MICA International Research Center, Hanoi, Vietnam

IFI

L3i - University of La Rochelle

16:30 Coffee break

16h45

REPRESENT THE CURVED FEATURES OF AN IMAGE DATA BASED ON WAVELET PACKET AND PRIME RIDGELET TRANSFORM

Ngo Quoc Viet, Nguyen Dinh Thuc

University of Natural Sciences, VNU-HCM

17:15

IMAGE FILTERING USING VISUAL INFORMATION CONSISTENCY

Dang Bac Van, Le Dinh Duy, Duong Anh Duc

University of Natural Sciences, VNU-HCM

19 :00 Conference Gala

August 4th, 2006

8:00

Invited speech

Universal Cache Miss Equations for Autonomic Computing

Prof. Y. C. Tay, National University of Singapore, Singapore

8:45 Coffee break

Track: Computer Vision, Pattern Recognition, and Networks

Co-Chairs: **Dr. Dat Nguyen**, Harvard University, USA and **Dr. Yves Duthen**, IRIT, Toulouse 1, France

9:00

A NEW METHOD FOR BOUNDARY-BASED SHAPE MATCHING AND RETRIEVAL

Minh-Son Dao, Minh-Nam Phuong

Ministry of Public Security – Department of Immigration - Center of Information Technology, VietNam

9:30

APPLYING AI TECHNIQUES FOR TRANSFERRING 3D FACIAL ANIMATION

Bui The Duy

College of Technology, Vietnam National University, Hanoi

10:00

TABLET PC APPLICATIONS IN AN ACADEMIC ENVIRONMENT

Dat Tran, Wanli Ma, Dharmendra Sharma

University of Canberra, Australia

10:20 Coffee break

10:35

CLASSIFICATION OF HUMAN AND VEHICLE IN A TRAFFIC VIDEO SURVEILLANCE SYSTEM

Tieu Thi Ngoc Dung, Nguyen Thai Binh

Korea University, Seoul, Korea

Hanoi University of Technology, Vietnam

11:55

TNT: TRANSPARENT NETWORK AND TRANSPORT LAYER NORMALIZER

Cao Anh Tuan , Varun Kapoor

Vishwakarma Institute of Technology, India

11:15

AN INTEGRATED EMBEDDED WEB-SERVICE FRAMEWORK FOR ELECTRONIC DEVICE COMMUNICATION

Huynh Anh Vu, Nguyen Huy Dung, Ram Gopalakrishnan

Nanyang Technological University, Singapore

11:35

TOWARD A MORPHOLOGIC AND EMOTIONAL INTRUSIONS DETECTION SYSTEM

F. A. Barika, N. El Kadhi, K. Ghedira

Laboratoire SOIE, Le Bardo Tunisie

11:55

THE IMPACT OF SELFISH NODE BEHAVIOR ON ARIADNE AND SEAD SECURE ROUTING PROTOCOLS IN MOBILE AD HOC NETWORK

Shahriar ShamilUulu, Vedat Kiray, Niyazi Ari

International Ataturk Alatoo University, Bishkek, Kyrgyzstan

University of Technology Zurich, Zurich, Switzerland

12:15

THE ITERATIVE CLOSEST POINT ALGORITHM BASED ON THIN PLATE SPLINE IN MONOMODAL IMAGE REGISTRATION

Alireza Azimi, Emad Fatemizadeh

Sharif university of Technology, Tehran, Iran

12:30 Having Lunch

14:00

Invited speech

Deciphering Principles of Transcription Regulation in Eukaryotic Genomes

Dr. Dat H. Nguyen, Harvard University, USA

14:45 Coffee break

Track: Software Engineering

Co-Chairs: **Prof. Jay Bagga**, BSU, USA and **Dr. Dung V. Dang**, University of Southampton, UK

15:00

USING ONTOLOGY TO HELP ACHIEVE MOBILE, MULTI-SKILLED EMPLOYEES

Dang Tung, Cáthál Wilson, Con Sheahan

Enterprise Research Centre, University of Limerick, Limerick, Ireland

15:30

AN APPROACH TO ESTIMATE SOFTWARE COSTS WITHIN A NARROW CONTEXT

Ngoc-Bao Nguyen, Viet-Ha Nguyen

College of Technology, Vietnam National University, Hanoi

16:00

EXPLOITING PROCESS PATTERNS FOR SOFTWARE PROCESS MODELS REUSE

Hanh Nhi Tran, Bernard Coulette, Bich Thuy Dong

University of Natural Sciences, VNU-HCM, Vietnam

16:30 Coffee break

16:45

ONTOLOGY - MAS FOR MODELLING AND ROBUST CONTROLLING ENTERPRISES

Dang Tung, Ben Flood, Cáthál Wilson, Con Sheahan

Enterprise Research Centre, University of Limerick, Limerick, Ireland

17:05

VISUALIZATION FRAMEWORK FOR IT GOVERNANCE SUPPORT AND SUBSEQUENT CONTROLLING OF DISTRIBUTED BUSINESS PROCESSES IN UBIQUITOUS COMPUTING

Alexander HAMPEL, Edward W.N. BERNROIDER

University of Vienna, Austria

Vienna University of Economics and B.A., Austria

17:25

OWL-BASED DATA CUBE FOR CONCEPTUAL MULTIDIMENSIONAL DATA MODEL

Danh Le Phuoc, Thanh Binh Nguyen

Learning Resource Centre, Hue University, Vietnam

Information Technology Centre, Hue University, Vietnam

17:40

Closing

Dr. Duong Anh Duc, Conference Chair