

Technical Program

Wednesday, March 3

- 08:00-08:30 Registration
08:30-09:00 Opening Ceremony
09:00-09:15 Coffee Break

Morning Session:

Chair: J.P. Schloeder

- 09:15-10:15 Invited talk: *Open-Loop Stability – A New Paradigm for Optimal Periodic Control of Walking and Running Robots and Biomechanical Systems*
H.G. Bock
- 10:15-10:45 *Computer Simulation of Structural Color in Butterfly Wings*
T. Matsuda, E. Nishiyama, T. Nakamura, H. Itoh
- 10:45-11:00 Coffee Break
- 11:00-11:30 *A New and Effective Method for Optimal Calculation of Total Transmission Ratio of Two Step Helical Gearboxes*
V.N. Pi, V.Q. Dac
- 11:30-12:00 *Identifying Transfer Function for Network by Use of M-sequence Correlation*
E. Nishiyama, K. Kuwanami, K. Qwaki
- 12:00-14:00 Lunch

Afternoon Session:

Chair: D.A. Duc

- 14:00-15:00 Invited talk: *New Internet and Networking Technologies and Their Application on Computational Sciences*
C.D. Pham
- 15:00-15:30 *A Concept Based Document Searching System*
T.N.H. Chau, L.T. Viet, T.H. Cao
- 15:30-15:45 Coffee Break
- 15:45-16:15 *Information Retrieval by Similarity Measure of Conceptual Graphs*
D.T. Dung
- 16:15-16:45 *Object-oriented Web Services*
L.D. Linh Nam, T.H. Cao, L.T. Sach
- 16:45-17:15 *An Intermediation Architecture for Service Creation*
T.A. Nguyen, T.L. Nguyen

Thursday, March 4

Morning Session:

Chair: N. D. Yen

- 08:45-09:45 Invited talk: *Contributions to the Solution of Routing Problems*
G. Reinelt
- 09:45-10:15 *Nurse Scheduling Using Partial Constraint Satisfaction Approach*
V.T. Khoa, D.T. Anh
- 10:15-10:30 Coffee Break
- 10:30-11:00 *Constraint Programming Approach for University Exam Timetabling*
B.B. Dang, N.T. Quang, D.T. Anh
- 11:00-11:30 *A Data-Driven Parallel Strategy Applying for the University Academic Class Scheduling*
B.H. Thang
- 11:30-12:00 *Applying Logic Programming in General Trust Management System*
T.N.T. Kha
- 12:00-14:00 Lunch

Afternoon Session:

Chair: N. Thoai

- 14:00-15:00 Invited talk: *Dynamic Interaction between Bridge and Vehicles*
H. Ho
- 15:00-15:30 *Dubious Word's Recognition from Multiple Live Voice Channels Using Cluster Computing*
I. Ahmed, S.A. Khan
- 15:30-15:45 Coffee Break
- 15:45-16:15 *Restricted Label Semantics for ALLPs*
N.V. Noi
- 16:15-16:45 *Automatic Topics Extraction from Artificial Intelligence Research Papers*
T.N. Huynh, D.Q. Vu, T.H. Cao
- 16:45-17:15 *Parallel Implementations of Support Vector Machine Training for Text Classification*
G.S. Nguyen, V.H. Nguyen

Friday, March 5

Morning Session:

Chair: T.H. Cao

- 08:45-09:45 Invited talk: *Non-standard Optimization Problems in Biology, Chemistry and Engineering – Challenges and Approaches to Their Numerical Solution*
J.P. Schloeder
- 09:45-10:15 *A Technique for Text Clustering Using a Partition Based Approach*
D. Nguyen
- 10:15-10:30 Coffee Break
- 10:30-11:00 *English Word Clustering for Cluster-based Bi-gram Language Model*
N.H.P. Nguyen, P.T. Tuoi
- 11:00-11:30 *Bilingual Corpus-based Vietnamese POS-Tagger Scheduling*
D. Dien, X. Quang, T. Nhan, C. Nam
- 11:30-12:00 *Feature-based Grammar in Adaption to Vietnamese Natural Language Processing*
T. N. Tuan, P.T. Tuoi
- 12:00-14:00 Lunch

Afternoon Session:

Chair: D.T. Anh

- 14:00-15:00 Invited talk: *Parallel Computing and Grid Computing*
H. Jin
- 15:00-15:30 *A New K-Nearest Neighbor Approach to Clustering Problem for Basket-Based Datasets*
T.M. Quang, T.K. Dang
- 15:30-15:45 Coffee Break
- 15:45-16:15 *Some Improvements on Dexter Model*
N.T. Bich, N.N.Duc, T.N.M. Cong
- 16:15-16:45 *Object-oriented Information Model - Development of Environmentally Sound Products*
T.N. Pham Van
- 16:45-17:15 *Applying Digital Water Marking in Rights Protection for Relational Databases*
T.M. Triet, D.A. Duc
- 17:15-17:45 *Grid-Enabled Zero-Latency Data Warehousing for Processing Continuous Data Streams*
T.M. Nguyen, M. Tjoa
- 17:45-18:00 Closing Session
- 19:00-22:00 Conference Banquet