MIWAI 2012 Program

The 6th Multi-Disciplinary International Workshop on Artificial Intelligence
27-28 December, 2012
Ho Chi Minh City, Vietnam

Conference Hosts

**Nong Lam University
Hochiminh City, Viet Nam**

University of Technology, Ho Chi Minh City, Vietnam

Mahasarakham University, Thailand

University of Hyderabad, India

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Nguyen Kim Loi (Nong Lam University, Vietnam)
Hoang Thi Thuy(Nong Lam University, Vietnam)
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MIWAI 2012 Program

Thursday, December 27, 2012
PLENARY SESSION

8:00-9:00   Registration

9:00-10:00   Inauguration
Moderator: Prof. Tho Quan

Presenter	Institution	Topic
Nguyen Kim Loi and Chattrakul Sombattheera	Nong Lam University, Ho Chi Minh City, Vietnam and Mahasarakham University, Thailand	Greetings, welcome.
Prof. Nguyen Hay	Rector Nong Lam University, Ho Chi Minh City, Vietnam	Opening Speech

10:00-11:00
Invited Talk Session – 1
Chair: Prof. Nguyen Kim Loi

Presenter	Institution	Topic
Keynote Speaker Prof. NitinTripathi	Associate Dean, School of Engineering and Technology Coordinator, Remote Sensing and GIS Editor-in-Chief, International Journal of Geo-informatics Asian Institute of Technology	Artificial Neural Network for Snow Cover Forecasting

Tea Break
11:00-11:30

11:30-12:00
Technical Session – 1
Chair: Prof. Chattrakul Sombattheera

Presenter	Institution	Topic
BoontaweeSuntisrivaraporn and SuwanTongphu	Sirindhorn International Institute of Technology, Thailand	Toward Composite Object Classification Using a Probabilistic Inference Engine
Grzegorz Polakow and Mieczyslaw Metzge	Silesian University of Technology, Poland	Agent-based control system for sustainable wastewater treatment process

Presenter	Institution	Topic
Thu-Le Pham and Katsumi Inoue	Information Technology University, Vietnam	Minimal Generalization for Conjunctive Queries
MariuszKlec	Polish-Japanese Institute of Information Technology, Poland	Evaluation of Jamendo Database as Training Set for Automatic GenreRecognition

Lunch Break
12:30 - 14:00

14:00-15:00
Special Session
Chair: Prof. Patrick Doherty

Presenter	Institution	Topic
Prof. Nguyen Kim Loi	Research Center for Climate Change (RCCC) Nong Lam University, Ho Chi Minh City, Vietnam	Online Supporting System Flood Warning and Climate Change in the Central Vietnam

15:00-16:00
Technical Session – 2
Chair: Prof. Le Hoai Bac

Presenter	Institution	Topic
Truong Cao Duy and Anh Duong Tuan	Ho Chi Minh University of Natural Resources and Environment, Vietnam	Time Series Prediction Using Motif Information
Doi Tran-Cong, Tho Quan-Thanh and Anh Duong-Tuan	Ho Chi Minh City University of Technology, Vietnam	Efficient Handling Of 2D Image Queries Using VPC+-tree
Gangin Lee and Unil Yun	Department of Computer Science, Chungbuk National University, Korea Republic of	Mining weighted frequent sub-graphs with weight and support affinities
KeonMyung Lee, Kyung Mi Lee and Chan Hee Lee	Chungbuk National University, Korea	Mining Frequent Common Families in Trees

Tea Break

16:30-17:30
Technical Session – 3
Chair: Prof. Duong Tuan Anh

Presenter	Institution	Topic
Nam Nguyen Vinh and Bac Le Hoai	Vietnam Informatics And Mapping Corporation	Simple Spatial Clustering Algorithm based on R-tree
Sai Prasad P.S.V.S and Raghavendra Rao Chillerige	University of Hyderabad, India	Novel Granular Framework for Attribute Reduction in Incomplete Decision Systems
Sharmila Wagh, Gaurav Neelwarna and Dr. Satish Kolhe	North Maharashtra University, India	A Comprehensive Analysis and Study in Intrusion Detection System Using KNN Algorithm
Łukasz Wróbel, Marek Sikora and Adam Skowron	Silesian University of Technology, Poland	Algorithms for filtration of unordered sets of regression rules

Banquet
17:30 - 20:30

Friday, December 28, 2012

9:00-10:00
Invited Talk Session – 3
Chair: Prof. Katsumi Inoue

Presenter	Institution	Topic
Keynote Speaker Prof. Patrick Doherty	Professor of Computer Science, Linköping University, Sweden	Leveraging KR Techniques in Autonomous Unmanned Aircraft Systems

10:00-11:00
Technical Session – 4

Chair: Prof. Sai Prasad

Presenter	Institution	Topic
David Kinny	Kyoto University, Japan	Monte-Carlo Search for Snakes and Coils
Dinh Tran Thi, Phuc Nguyen Hong and Vinh Dinh Quang	University of Agriculture and Forestry, Vietnam	Stereo Matching by Fusion Local Methods and Spatial Weighted Window
Phuc Nguyen Hong, Dinh Tran Thi and Vinh Dinh Quang	University of Science, Vietnam	Local Stereo Matching by Joining Shiftable Window and Non-parametric Transform
ChittiKokil Kumar, ArunAgarwal and RaghavendraRao C	University of Hyderabad, India	Color and Texture Image Segmentation

	Tea Break **11:00 - 11:30**	

11:30-12:30
Technical Session – 5
Chair: Prof. Boontawee Suntisrivaraporn

Presenter	Institution	Topic
MoulayRachidDouiri and Mohamed Cherkaoui	Mohammadia Engineering School, Department of Electrical Engineering, Morocco	Evolutionary Multi-Objective Optimization based Proportional Integral Controller Design for Induction Motor Drive
HamidoHourani, Eckart Hauck and Sabina Jeschke	Institute of Information management in mechanical engineering, Germany	Interruptibility and its negative impact on graph exploration missions by a team of robots
N A B SankarChebolu, Rajeev Wankar and C RaghvendraRao	ANURAG, India	Tuning the Optimization Parameter Set for Code Size

	Lunch Break **12:30 - 14:00**	

14:00-15:15
Technical Session – 6

Chair: Prof. Tho Quan

Presenter	Institution	Topic
Dariusz Choinski, Mieczyslaw Metzger, Witold Nocon, Grzegorz Polakow and Piotr Skupin	Silesian University of Technology, Poland	AI-based support for experimentation in an environmental biotechnological process
Omar S. Soliman and Aliaa Rassem	Cairo University, Faculty of Computers and Information, Cairo, Egypt	Correlation Based Feature Selection Using Quantum Bio Inspired Estimation of Distribution Algorithm
P Pavan Kumar, Arun Agarwal and Chakravarthy Bhagvati	University of Hyderabad, India	A Structure Based Approach for Mathematical Expression Retrieval
Mauro Vallati	University of Brescia, Italy	A Guide to Portfolio-based Planning

Tea Break
15:15 - 15:45

15:45-16:45
Technical Session – 7
Chair: Prof. David Kinny

Presenter	Institution	Topic
Fan Cai, Nhien An Le Khac and M-TaharKechadi	Software School, Computer Science, Fudan University, China	An Integrated Classification Model for Financial Data Mining
Junghoon Lee, Gyung-Leen Park and Hye-Jin Kim	Jeju National University, Korea Republic of	Relocation action planning in electric vehicle sharing systems
Darko Brodic, Zoran Milivojevic, Dejan Tanikic and Dragan Milivojevic	University of Belgrade, Technical Faculty in Bor, Serbia	An Approach for Tuning the Parametric Water Flow Algorithm based on ANN

Valedictory
16:45 - 17:15

End of Conference Celebration