**The International Conference on Information Technology:
New Generations
April 15-18, 2012
The Flamingo Hotel, Las Vegas, Nevada, USA**

ITNG 2012
ADVANCE PROGRAM

April 15, 2012 - SUNDAY

5:00pm - 8:30pm: REGISTRATION (Conference Section)
6:00pm - 8:00pm: PRECONFERENCE RECEPTION

April 16, 2012 - MONDAY

7:00am - 5:00pm: REGISTRATION ()
7:00am - 8:30am: CONTINENTAL BREAKFAST
8:00am - 8:10am: Conference Opening Remarks by
        Shahram Latifi, ITNG Chair, University of Nevada, Las Vegas

8:10am - 9:00am : Keynote by
        Jay P. Trimble, Group Lead, User Centered Technology Group
        NASA Ames Research Center
        **"Future Software Architectures for Mission Control User
         Applications"**

9:00 am - 9:20 am : BREAK

PARALLEL SESSIONS:

A SESSIONS (TBA)

SESSION MA1: AI Applications
CHAIR:
Co-CHAIR:

9:20 am - 10:00 am

9:20 - 9:40	A Multi-Layer Approach for Failure Detection in a Manufacturing System based on Automation Agents
Wilfried Lepuschitz, Vaclav Jirkovsky, Petr Kadera and Pavel Vrba
9:40-10:00	A Novel Violent Videos Classification Scheme Based on the Bag of Audio Words Features
Lei Li
10:10-10:30	Coffee Break

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SESSION MA2:   <u>Image and Audio Processing Applications</u>
CHAIR:
Co-CHAIR:

10:30am - 12:30 pm

<u>10:30-10:50</u>   Probability-based imputation method for fuzzy cluster analysis of gene expression microarray data
Thanh Le

<u>10:50-11:10</u>   A Context Space Model for Detecting Anomalous Behaviour in Video Surveillance
Arnold Wiliem, Vamsi Madasu, Wageeh Boles and Prasad Yarlagadda

<u>11:10-11:30</u>   Image Recovery by Recursive Spline Smoothing and Application to Recognition of Compound Structures
Alexandre Grebennikov

<u>11:30-11:50</u>   Wavelet Based Region Duplication Forgery Detection
Yang Wang, Kaitlyn Gurule, Jacqueline Wise and Jun Zheng

<u>11:50-12:10</u>   Rank Level Integration of Face Based Biometrics
Amioy Kumar, Hanmandlu Madasu and Shantaram Vasikarla

<u>12:10-12:30</u>   OPEN SLOT

<u>12:30-1:30</u>   Lunch (On Your Own)

SESSION MA3:   <u>Networking and Wireless Communications I</u>

CHAIR: **Dr. Natarajan Meghanathan, Jackson State University, USA**
Co-CHAIR:

1:30pm - 3:30pm

<u>1:30-1:50</u>   Spectrum Detection in Cognitive Networks by Minimizing Hidden Terminal Problem
Yenumula Reddy

<u>1:50-2:10</u>   An Efficient Geo-aware Peer-to-Peer Resource Discovery and Sharing Scheme in Vehicular Ad-hoc Networks
Yu-Hong Lee, Chyi-Ren Dow, Ya-Chen Lin, Shiow-Fen Hwang and Wei-Bin Lee

<u>2:10-2:30</u>   A Unicast MANET Routing Protocol to Simultaneously Minimize the Stability-Hop Count Tradeoff and End-to-End Delay
Natarajan Meghanathan

<u>2:30-2:50</u>   MASID: Multi-Agent System for Intrusion Detection in MANET
Leila Mechtri, Fatiha Djemili Tolba and Salim Ghanemi

<u>2:50-3:10</u>   Determining coverage area using Voronoi diagram based on local

information for wireless mesh networks
Go Hasegawa, Shoichi Takemori, Yoshiaki Tanigushi and Hirotaka Nakano

3:10-3:30   OPEN SLOT

3:30-4:00   Coffee Break

SESSION MA4:   **Networking and Wireless Communications II**

CHAIR: **Dr. Yenumula Reddy, Grambling State University, USA**
Co-CHAIR:

4:00pm – 6:00pm

4:00-4:20   Finding Time and Buffer Preserving Routes in Gaussian Intermittent
              Networks
              Omar Tahboub and Javed Khan

4:20-4:40   RudolF: An Open-Source Sandbox for increasing the accessibility of
              Functional Programming to the Bioinformatics and Scientific
              Communities
              *Matthew Fenwick, Colbert Sesanker, Martin Schiller, Heidi Ellis, Lee
              Hinman, Jay Vyas and Michael Gryk*

4:40-5:00   Planarization of Geographic Cluster-based Overlay Graphs in Realistic
              Wireless Networks
              Emi Mathews

5:00-5:20   Towards transparent anonymity for user-controlled servers
              supporting collaborative scenarios
              *Mohamed Bourimi, Marcel Heupel, Benedikt Westermann, Rafael
              Giménez, Marc Planagumà, Fatih Karatas and Philipp Schwarte*

5:20-5:40   Recognising the Activities of Low Entropy Mobile People Using a
              Tiered Approach
              Muhammad Azam, Jonathan Loo, Sardar Khan and Waleed Ejaz

5:40-6:00   A Large Scale Evolutionary Analysis of the Internet Autonomous
              System Network
              Javed Khan

<div align="center">B SESSIONS （TBA）</div>

SESSION MB1: Information Systems and Internet Technology I

CHAIR: **Dr. Wan D. Bae, University of Wisconsin-Stout, USA**
Co-CHAIR:

9:10am - 10:10am

9:10-9:30   An Efficient Approach for Finding Near Duplicate Web Pages Using Minimum Weight Overlapping Method
Shine Das, Midhun Mathew and Pramod Vijayaraghavan

9:30- 9:50   Novel Cloud Service for Improving World Universities Ranking
Shu-Ming Hsieh, Ssu-An Lo and Chiun-Chieh Hsu

9:50- 10:10   Tree-based Search Algorithm for Web Service Composition in SaaS
Ching-Seh Wu, Ibrahim Khoury and Wei-Chun Chang

10:10-10:30   Coffee Break

SESSION MB2: **Information Systems and Internet Technology II**

CHAIR**:**
Co-CHAIR**:**

10:30am - 12:10pm

10:30-10:50   Aspect Algebra: The Operational Semantics for Aspect Oriented Software
Anirban Sarkar and Narayan C Debnath

10:50-11:10   Semantic Web: A Topic specific search
Kishan Dharavath and Megha Khandelwal

11:10-11:30   MEBPCM: A Method for Evaluating Business Process Conceptual Models- A Case Study
Narayan Debnath, Carlos Salgado, Mario Peralta, Mario Beron, Daniel Riesco and German Montejano

11:30-11:50   A Mobile Data Analysis Framework for Environmental Health Decision Support
Wan D. Bae, Shayma Alkobaisi and Sada Narayanappa

11:50-12:10   A Design of Mutual Exclusion Protocol in Cellular Wireless Networks
Sung-Hoon Park

12:10-1:30   Lunch (On Your Own)

SESSION MB3: **Information Systems and Internet Technology III**

CHAIR:
Co-CHAIR**:**

1:30pm - 3:30pm

1:30-1:50   Using Two-tier Bitwise Interest Oriented QRP Data Structure For High Clustering through Interest Similarity in SWB P2P Systems
Tong-Ming Lim and Angela Siew Hoong Lee

| 1:50-2:10 | The Use of Knowledge Management Systems to Support Knowledge Creation and Sharing Activities among Employees – A Survey based Study of IT Shared Services Company
Angela Siew Hoong Lee and Tong-Ming Lim |
| 2:10-2:30 | A Constraint-Driven Business Object Model for Service-Based Business Processes
Farhana H. Zulkernine, Piergiorgio Bertoli, Marco Pistore, Andreas Friesen, Jens Lemcke, Bernhard Thimmel and Otfried Von Geisau |
| 2:30-2:50 | Automated Security Analysis of Dynamic Web Applications through Symbolic Code Execution
Giovanni Agosta, Alessandro Barenghi, Antonio Parata and Gerardo Pelosi |
| 2:50-3:10 | New Hashing-Based Multiple String Pattern Matching Algorithms
Chouvalit Khancome and Veera Boonjing |
| 3:10-3:30 | Searching for the Optimal Proof Schedule in a Proof-Carrying Survivability Paradigm - A Dynamic, Interactive Approach
Yanjun Zuo and John Babin |
| 3:30-4:00 | Coffee Break |

SESSION MB4: Energy-Efficient Systems

CHAIR:
Co-CHAIR:

4:00pm - 5:40pm

| 4:00-4:20 | An Empirical Study on the Impact of an Idle Limit in Distributed Systems
Karl Smith, Jeffrey Galloway and Susan Vrbsky |
| 4:20-4:40 | HyBuM: Hybrid Energy Efficient Architecture for Mobile Storage Systems
Mais Nijim, Young Lee, Kiranmai Bellam and Yousef Nijim |
| 4:40-5:00 | Piezoelectric Converter for Wind Energy Harvesting
Taufik Taufik, Jameson Thornton, Dale Dolan and Anton Prabuwono |
| 5:00-5:20 | An Empirical Study of Power Aware Load Balancing in Local Cloud Architectures
Jeffrey Galloway, Karl Smith and Jeffrey Carver |
| 5:20-5:40 | Harmonics and Dynamic Response of a Virtual Air Gap Variable Reactor
Dale Dolan, Peter Lehn and Taufik Taufik |

C SESSIONS ( )

SESSION MC1: Software Testing I

CHAIR: **Dr. James McCaffrey, Volt Information Sciences, USA**
Co-CHAIR**:**

9:10am - 10:10am

9:10-9:30   API Backward Compatability Testing using VSTS
                   James Gagnon, Corey Weathers, Marty Wiedmeyer, Phani
                   Koppineedi, Raghavender Anegouni, Steve Schon and Xin Bai

9:30- 9:50   Using Test Cases to Size Systems: A Case Study
                   Adam Schwartz

9:50-10:10   Using Reverse-Engineered Test-Based Models to Generate More
                   Tests: Where is the sense in that?
                   Teemu Kanstrén, Eric Piel and Hans-Gerhard Gross

10:10-10:30   Coffee Break

SESSION MC2: Software Testing II

CHAIR**: Dr. James McCaffrey, Volt Information Sciences, USA**
Co-CHAIR:

10:30am - 12:30pm

10:30-10:50   A Hybrid System for Analyzing Very Large Graphs
                   James McCaffrey

10:50-11:10   Applying Test-First and Parallel Processing Techniques to ERP Data
                   Conversion
                   Talukdar Asgar, Mohammed Akour and Tariq King

11:10-11:30   A Comparative Evaluation of Unit Testing Techniques on a Mobile
                   Platform
                   Selin Benli, Anthony Habash, Andy Herrmann, Tyler Loftis and Devon
                   Simmonds

11:30-11:50   OPEN SLOT

11:50-1:30   Lunch (On Your Own)

 SESSION MC3: Software Engineering I

CHAIR:
Co-CHAIR**:**

1:30pm - 3:30pm

1:30-1:50   The application of the Component-based product line in the data processing domain
Xinyu Zhang and Li Zheng

1:50-2:10   Generator Flow: An XML Configurable Design Pattern Used in NoGAP
Per Karlström and Wenbiao Zhou

2:10-2:30   Protecting Intellectual Property by Certified Component Quality Descriptions
Henning Groenda

2:30-2:50   Loan System in Brazilian Financial Institution - A SOA Application
Claudio Bernardo

2:50-3:10   System Development for Violence Mapping in a Social Network in Real Time
Claudio Bernardo, William Montini, Fernanda Yamato, Gerson Domingues and Felipe D´Oliveira

3:10-3:30   An MDA-Based Approach for WS Composition Using UML Scenarios
Ayoub Sabraoui

3:30-4:00   Coffee Break

SESSION MC4: Software Engineering II

CHAIR:
Co-CHAIR:

4:00pm - 6:00pm

4:00-4:20   Challenges Faced While Simultaneously Implementing CMMI and Scrum
James Miller and Hisham Haddad

4:20-4:40   Incorporation of Aspects of Systems Security and Software Security in Senior Capstone Projects
Natarajan Meghanathan, Hyunju Kim and Loretta Moore

4:40-5:00   Developing a Smart Grids System as a PBL with Agile Method on Computer Engineering Courses
Caio Coutinho, Johnny Marques, Sarasuaty Yelisetty, Samoel Mirachi, Alexandre Possebon, Marcelo Amaral, Adilson Cunha and Luiz Vieira Dias

5:00-5:20   Developing rapidly expandable data-driven software systems based

on multitier architecture
Jumie Yuventi and Jose Cortes

5:20-5:40   Strategic Analysis towards deriving competitive advantage with the use of FOSS: The case of a South African University
Kehinde Dehinbo, Pieter Pretorius and Johnson Dehinbo

5:40-6:00   Facilitating Agile Software Development with Lean Architecture in the DCI Paradigm
Tomohiro Hayata, Jianchao Han and Mohsen Beheshti

SESSION MD1 — POSTERS

9:30am - 11:30am

Network Management System for Quantum Key Distribution
Piya Techateerawat

A Scheduling Algorithm for Downloading Data From RSU Using Multicasting Technique
Sana Sahebgharani and Mohammad Shahverdy

Software Security: The Dangerous Afterthought
Curtis Steward and Luay A. Wahsheh

Speeding up Big-Number Squaring
Shay Gueron and Vlad Krasnov

Speeding up SHA-1, SHA-256, SHA-512 on the 2nd Generation Intel® Core™ Processors
Shay Gueron

Retargetable Netlists Generation and Structural Synthesis based on A Meta Hardware Description Language : Melasy+
Sho Nishida and Katsumi Wasaki

A Tool for Teaching Risk
Kevin Gary

Knowledge services and knowledge building in e-learning
Xinyu Zhang

The exploration of the E-Learning Standard Test System
Xinyu Zhang

SESSION MD2 — POSTERS

1:30pm - 3:30pm   (Location: Hallway)

Rule-based Management of Large Unorganized Data Sets
Daniel Beatty and Noe Lopez-Benitez

Acoustic Signature Based Intelligent Health Monitoring of Air Compressors With Selected Features
Nishchal K Verma

An Exploratory Study of the Users' Behavior on Social Network Sites
S. M. Horng

Using Chatbots to Teach Socially Intelligent Computing Principles in Introductory Computer Science Courses
Alan Shaw

Evaluating students online discussion performance by using social network analysis
Peng He

Social Engine WebStore: Create your Web Store and Publish it on your Social Network
Thiago Dias, André Luiz Fatala and Arnaldo Pereira

Using Social Networks to improve the performance of a Service Desk
Joel Goncalves

Exploring Model-based Design
Devon Simmonds, Mark Lanter, Lyle Scott III, Ashley Young, Selin Benli and Andy Herrmann

April 17, 2012 - Tuesday

<u>7:00am - 5:00pm</u> : REGISTRATION ()
<u>7:30am - 8:30am</u> : CONTINENTAL BREAKFAST

<u>8:00am - 9:00am</u> : Keynote by
 Magdy Bayoumi, Professor
 University of Louisiana, Lafayette
 "Cognitive Wireless Sensors Networks: The Key to Smart Systems"
 (Location: TBA)

<u>9:00am - 9:10am</u> : BREAK

PARALLEL SESSIONS:

A SESSIONS (TBA)

SESSION TA1:   Information Security and Privacy I

CHAIR:
Co-Chair:

9:10am - 10:10am

<u>9:10-9:30</u>   Perceived Privacy
               Sabah Al-Fedaghi

9:30- 9:50   Connect With Your Friends and Share Private Information Safely
Arijit Ukil

9:50-10:10   OPEN SLOT

10:10-10:30   Coffee Break

SESSION TA2: Information Security and Privacy II

CHAIR:
Co-CHAIR**:**

10:30am- 11:50am

10:30-10:50   Location Privacy for Vehicle-to-Grid Interaction through Battery Management
Mark Stegelmann and Dogan Kesdogan

10:50-11:10   CIDS: A framework for Intrusion Detection in Cloud Systems
Hesham Abdelazim Ismail Mohamed Kholidy and Fabrizio Baiardi

11:10-11:30   Security Analysis Concerning the Random Numbers of Threshold Ring Signatures
Kaibin Huang and Raylin Tso

11:30-11:50   Data Hiding Techniques in Steganography using Fibonacci and Catalan numbers
Nikolaos Aroukatos, Kostas Manes, Stelios Zimeras and Fotis Georgiakodis

11:50-1:30   Lunch (On Your Own)

SESSION TA3: Information Security and Privacy III

CHAIR:
Co-CHAIR**:**
1:30pm - 3:50pm

1:30-1:50   CIDD: A Cloud Intrusion Detection Dataset For Cloud Computing and Masquerade Attacks
Hesham Abdelazim Ismail Mohamed Kholidy and Fabrizio Baiardi

1:50-2:10   When the Softwre Goes Beyond Its Requirements- A Software Security Perspecitve
Jing-Chiou Liou

2:10-2:30   Design and Implementation of an Open Network and Host-Based Intrusion Detection Testbed with an Emphasis on Accuracy and

Repeatability
Robert Erbacher and Michael Shevenell

2:30-2:50   Distributed Sensor Objects for Intrusion Detection Systems
Robert Erbacher and Steve Hutchinson

2:50-3:10   A Reversible Secret Sharing Scheme based on GF(2^8)
Dong-Hyun Kim, Gil-Je Lee, Sang-Ho Shin and Kee-Young Yoo

3:10-3:30   OPEN SLOT

3:30-4:00   Coffee Break

SESSION TA4: Model-based Software Development

CHAIR:
CO-CHAIR:

4:00pm - 6:00pm

4:00-4:20   Using Model-Based Development as Software Low-Level
              Requirements to Achieve Airborne Software Certification
              *Johnny Marques, Sarasuaty Yelisetty, Luiz Alberto Vieira Dias and
              Adilson Cunha*

4:20-4:40   Modeling Security Aspects in Distributed Real-Time Component-
              Based Embedded Systems
              Mehrdad Saadatmand and Thomas Leveque

4:40-5:00   A Computational Teaching Approach Through the Use of a Narrative
              Technique and a Comic Strip
              *Mario Takeda, Francisco Marcondes, Ítalo Vega, Elizabete Gara and
              Luciano Gaspar*

5:00-5:20   A Formal Control Model For Risks Management within Software
              Projects
              *Felipe Rafael Motta Cardoso, Paulo Marcelo Tasinaffo, Denis Ávila
              Montini, Danilo Douradinho Fernandes, Adilson Marques da Cunha
              and Luiz Alberto Vieira Dias*

5:20-5:40   Multilevel Graph Partitioning Scheme To Solve Traveling Salesman
              Problem
              Atif Ali Khan and Muhammad Umair Khan

5:40-6:00   Implementation of an Online Wavelength Division Multiplexing and
              Bi-Directional Optic Fiber Link Laboratory
              *Doreen Orishaba, Raymond Besiga, Arthur Asiimwe, Sandy Stevens
              Togboa, Paul Isaac Musasizi and Cosmas Mwikirize*

6:00-6:20   Break

7:00-7:30   Award Ceremony ()

7:30-8:00   Break

8:00-9:30   Conferene Reception and Dinner (Laughlin I&II)

B SESSIONS (TBA)

SESSION TB1: Circuits & Systems

CHAIR:
Co-CHAIR:

9:10am - 10:10am   (Location: Meeting Room)

9:10-9:30   Behavior Modeling of Programmable Metallization Cell using Verilog-A
Darshan Anandappa Dimplu and Fei Wang

9:30- 9:50   A Novel SAR Fast-Locking Digital PLL: SPICE Modeling and Simulations
Mahmoud Wagdy and Robin Sur

9:50- 10:10 Design and Simulation of Multiple-Input Single-Output DC-DC Converter
Taufik Taufik, Taffy Wong, Owen Jong and Dale Dolan

10:10-10:30 Coffee Break

SESSION TB2: High Performance Computing Architectures I

CHAIR:
Co-CHAIR:

10:30am-11:50am

10:30-10:50 Design of a FPGA-based Timing Sharing Architecture for Sound Rendering Applications
Tan yiyu, Yasushi Inoguchi, Yukinori Sato, Makoto Otani, Yukio Iwaya, Hiroshi Matsuoka and Takao Tsuchiya

10:50-11:10 A High Performance Agent-Based System for Reporting Suspected Adverse Drug Reactions
Yanqing Ji, Fangyang Shen and John Tran

11:10-11:30 Performance-Sensitivity-based Workload Tailoring for Effective Design Exploration
Jie Luo, Saarvaani Vadlamani, Yilin Zhang, and Byeong Lee

11:30-11:50 iBATD: A New Routing Metric for Multi-radio Wireless Mesh Networks

Bing Qi and Fangyang Shen

11:50-1:30   Lunch (On Your Own)

SESSION TB3: High Performance Computing Architectures II

CHAIR:
CO-CHAIR:

1:30pm - 3:10pm

1:30-1:50   A performance based QoS aware resource brokering framework for the grid
              Asvija B

1:50-2:10   A Hardware-Software Integrated Design for a High-Performance Java Processor
              Anthony Fong and C. H. Yau

2:10-2:30   An IT-based System to Facilitate Architectural Design
              Amirreza Ardekani and Kamyar Ardekani

2:30-2:50   Virtual Machine and Bytecode for Optimization on Heterogeneous Systems
              Kerry Seitz, Jr. and Mark Lewis

2:50-3:10   Loopback Virtual Channel Router Architecture for NoC
              Jaya Suseela and Venkatesan Muthukumar

3:30-4:00   Coffee Break

SESSION TB4: DATA MINING

CHAIR:
CO-CHAIR:

4:00pm - 6:40pm

4:00-4:20   Successful Forecasting for Knowledge Discovery by Statistical Methods
              Yas Alsultanny

4:20-4:40   XML Querying using Data Logic Structures and Primitives
              Jesús Ubaldo Quevedo-Torrero and Geno Erickson

4:40-5:00   Watermarking XML Structures using Multi-valued Dependencies
              Jesús Ubaldo Quevedo-Torrero and Geno Erickson

5:00-5:20   Predicting Future Climate from Lake Algae Sedimentation
              Jasdeep Natts, Ray Hashemi and Azita Bahrami

| 5:20-5:40 | Architecture of a Fast and Secure Mobile Operating System |
| | *Hassan Reza* |

| 5:40-6:00 | UML-based Integration Testing for Component-based Software for Wireless Sensor Network |
| | *Hassan Reza* |

| 6:00-6:20 | Brain Imaging for Diagnosis of Schizophrenia: Challenges, Successes and a Research Roadmap |
| | *Jack Shelton, Hamid Arabnia and Tianming Liu* |

| 6:20-7:00 | Break |

| 7:00-7:30 | Award Ceremony () |

| 7:30-8:00 | Break |

| 8:00-9:30 | Conference Reception and Dinner (Laughlin I&II) |

C SESSIONS ( )

SESSION TC1: Computer Information Technology Education

CHAIR:
Co-CHAIR:

9:10am - 10:10am

| 9:10-9:25 | Student Perceptions of Learning Management Systems in a University Environment: Yahoo Groups vs. Blackboard |
| | *Samir Hamade* |

| 9:25- 9:40 | A Comprehensive Undergraduate Application Security Project |
| | *Prem Uppuluri and Jeff Pittges* |

| 9:40-9:55 | Useful Compiler Directives for Teaching Programming |
| | *John Minor and Laxmi Gewali* |

| 9:55-10:10 | The Design and Implementation of an Antivirus Software Advising System |
| | *Eugene Chamorro, Jianchao Han and Mohsen Beheshti* |

SESSION TC2: Data Hiding

CHAIR:
Co-CHAIR:

10:30am - 11:50am

| 10:30-10:50 | Data Hiding Method Based on Dyadic Wavelet Transformation |

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Improving Invisibility of Secret Images on Circulation Images by Means of Run-Length Coding with Permutation Matrix Based on Random Number
Kohei Arai

10:50-11:10 A non-blind digital image watermarking method based on the dual-tree complex discrete wavelet transform and interval arithmetic
Teruya Minamoto and Ryuji Ohura

11:10-11:30 A New Variable Filter Band Discrete Wavelet Transform and its Application
Zhong Zhang

11:30-11:50 Efficient Securing of Iris Image Template by Using Grayscale Level Incremented/Decremented Method
Maqsood Mahmud, Mohammad Waqar, Abdulrahman Abdulkarim Mirza and Abdul Hanan Bin Abdullah

11:50-12:10 Visualization of Digital Audio Watermarking based on the Dyadic Wavelet Transform
Teruya Minamoto, Yuji Ogata and Masahiro Sawai

11:50-1:30 Lunch (On Your Own)

SESSION TC3: Human-Computer Interaction-I

CHAIR:
Co-CHAIR**:**

1:30pm - 3:30pm

1:30-1:50 Human Body Parts Tracking using Torso Tracking
Aras Dargazany and Mircea Nicolescu

1:50-2:10 Who-Works-With-Whom (WWWW): Web-based Directed Work Relationship Network for Maximizing Organizational Efficiency in Enterprises
Xinyu Zhang

2:10-2:30 Gait Recognition Method Based on Wavelet Transformation and Its Evaluation with Chinese Academy of Sciences (CASIA) Gait Database as a Human Gait Recognition Dataset
Kohei Arai

2:30-2:50 Usability Heuristics for Touchscreen-based Mobile Devices
Rodolfo Inostroza, Cristian Rusu, Silvana Roncagliolo, Cristhy Jimenez and Virginica Rusu

2:50-3:10 Extraction of Local Features for Tri-Phone Based Bangla ASR
Mohammed Rokibul Alam Kotwal

3:30-4:00 Coffee Break

SESSION TC4: Human-Computer Interaction-II

CHAIR:
Co-CHAIR:

4:00pm - 5:40pm

4:00-4:20   An Active Cinema Experience: A Study on User Expectation and Perceived Gratifications of a Real-time Animated Film System
Yun-Ke Chang, Mark Chaves and Miguel A. Morales-Arroyo

4:20-4:40   Wireless Sensors Networks in the Efficient Management of Greenhouse Crops
Alejandra Jiménez, Pablo Lozada and Santiago Jiménez

4:40-5:00   Development of Dynamic Vocalization Customer Service Software for Multiple Languages for a Telephone Environment
Kami Makki

5:00-5:20   Developing a Touchscreen-based Domotic Tool for Users With Motor Disabilities
Juan Pablo Cofré, Gabriel Moraga, Cristian Rusu, Ivan Mercado, Rodolfo Inostroza and Cristhy Jiménez

5:20-5:40   OPEN SLOT

6:00-7:00   Break

7:00-7:30   Award Ceremony ()

7:30-8:00   Break

8:00-9:30   Conference Reception and Dinner (Laughlin I&II)

SESSION TD1 – POSTERS

9:10am -12:30am   (Location: Hallway)

Proposed model for social and collaborative social network of positive reinforcement. Positive Reinforcement Online Social Network: PRSN
Habib M. Fardoun, Daniyal M. Algazzawi, Sebastian Romero Lopez and Jose Antonio Gallud Lazaro

How to Trust from Social Networks?
Wei-Lun Chang and Arleen Diaz

Implementation of an Online Wavelength Division Multiplexing and Bi-Directional Optic Fiber Link Laboratory
Doreen Orishaba, Raymond Besiga, Arthur Asiimwe, Sandy Stevens Togboa, Paul Isaac Musasizi and Cosmas Mwikirize

Automatic Coverage Evaluation for a Medical Expert System
Ahmad Eyadat and Izzat Alsmadi

A Resource-based Apparoch to Analyze Security Vulnerabilities with Dynamic Behaviors
Weifeng Xu

Serious Video Games: Games for Education and Health
Vasudevan Janarthanan

Innovations in Art and Production: Sound, Modeling and Animation
Vasudevan Janarthanan

Link Encryption to Counteract With Rouge Social Network Crawlers
Sri Khetwat Saritha and Chinthu Prasad

Give Your Classroom Blog a "Facelift": Enhance student learning experience by adding social plugins to classroom blogs
Sonya Zhang

SESSION TD2 – POSTERS

1:30pm - 4:30pm   (Location: Hallway)

A Survey of Requirement Engineering Interactions in Telecommunication Systems
Ahmad Alnafoosi

Excessive Use of the Internet and Gender: The Case for University Students in Jordan
Yousef Eyadat

ROI detection using spatial kernel based filter for steam generator tube inspection in eddy current nondestructive evaluation
Jaejoon Kim and Lalita Udpa

Relationship between state machine and dynamic behavior
José Gonçalves Batista da Luz and Michele Puretachi de Barros

Community environmental monitoring mode based on wireless sensor network
Chunming Li, Shuanning Zheng, Xiaodan Su, Qing Li and Quanyi Qiu

Utilization of urban form information for extracting commuting travel carbon emission on urban road network
Quanyi Qiu, Shuanning Zheng, Xiaodan Su, Qing Li, Yang Zhao, Lei Chen and Yuan Quan

Packet Reversed Packet Combining Scheme: a Thorough Analysis
Chandan Bhunia

Biological Cells as Storage Devices
Ralph DeFrangesco

April 18, 2012 - Wednesday

<u>7:00am-12:30pm</u> : REGISTRATION ()
<u>7:00am - 8:30am</u> : CONTINENTAL BREAKFAST

A SESSIONS ( )

SESSION WA1: <u>Social Computing I</u>

CHAIR:
Co-CHAIR**:**

8:00am - 10:00am

<u>8:00-8:20</u>   Health Intelligence Model for Evaluation of Social Media Outcomes
Joseph M Woodside

<u>8:20-8:40</u>   User-centric Trust-based Recommendation
Simon Meyffret, Lionel Medini and Frederique Laforest

<u>8:40-9:00</u>   Do videowikis on the Web Support Better (Constructivist) Learning in the Basics of Information Systems Science?
Pekka Makkonen

<u>9:00-9:20</u>   A Survey and Typology of Human Computation Games
Ei Pa Pa Pe-Than, Dion Hoe-Lian Goh and Chei Sian Lee

<u>9:20-9:40</u>   Sharing in Social News Websites: Examining the Influence of News Attributes and News Sharers
Long Ma, Chei Sian Lee and Dion Hoe-Lian Goh

<u>9:40-10:00</u>   An Empirical Study on Forecasting using Decomposed Arrival Data of an Enterprise Computing System
Linh Ngo, Amy Apon and Doug Hoffman

<u>10:00-10:30</u>   Coffee Break

SESSION WA2: <u>Social Computing II</u>

CHAIR**:**
Co-CHAIR**:**

10:30am - 11:50am

<u>10:30-10:50</u>   Performance Evaluation of a Countering Method to Social Bookmarking Pollution Based on Degree of Bookmark Similarity
Hiroyuki Hisamatsu and Takahiro Hatanaka

<u>10:50-11:10</u>   Scalable Link Prediction in Social Networks based on Local

Graph Characteristics
Alexis Papadimitriou, Panagiotis Symeonidis and Yannis Manolopoulos

11:10-11:30   Development and Implementation of a Chat Bot in a Social Network
Rodrigo Salto and Fausto Jacques

11:30-11:50   OPEN SLOT

SESSION WB1: Potpourri

CHAIR:
Co-CHAIR:

8:00am - 10:00am

8:00-8:15   An Investigation into Feature Selection for Oncological Survival Prediction
Dmitry Strunkin, Brian Mac Namee and John Kelleher

8:15-8:30   Quantum Blind Computation with Teleportation-based Computation
Nai-Hui Chia, Chia-Hung Chien, Wei-Ho Chung and Sy-Yen Kuo

8:30-8:45   Implementation of Sales Management Module with Digital Forms
Claudio Bernardo, Gustavo Cortez, Rafael Mauro, Thiago Cappi and Thiago Baldi

8:45-9:00   Semantic Information Modeling for Emerging Applications in Smart Grid
Qunzhi Zhou, Sreedhar Natarajan, Yogesh Simmhan and Viktor Prasanna

9:00-9:15   An Architecture for Mining and Visualization of U.S. Higher Educational Data
Linh Ngo, Vijay Dantuluri, Michael Stealey, Stan Ahalt and Amy Apon

9:15-9:30   Business Escalation Management: A case study
Pradeep Kumar KS and Rose Neena Tom

9:30-9:45   Fostering the User Interface Acceptance in Customer Relationship Management: A Multimedia-Aided Approach
Mutlaq Alotaibi

9:45-10:00   Selection of Suitable Evaluation Function Based on Win/Draw Parameter in Othello
Basit Shahzad and Yousef Alohali

10:00-10:30   Coffee Break

Conference Conclusion

END OF SCHEDULE...