



The 15th International Conference on Information Technology: New Generations
The Tuscany Hotel, Las Vegas, Nevada, USA • April 16-18, 2018

Advance Program at a Glance

April 15, 2018 – Sunday

17:00 – 20:00	Registration (Convention Center- TBA)
18:00 – 20:00	Pre conference Reception (Florentine E)

April 16, 2018 – Monday

07:00 – 17:00	Registration (Convention Center- TBA)		
07:00 – 08:30	Breakfast (TBA)		
08:00 – 08:10	Opening Remarks: Dr. Shahram Latifi, Conference Chair (Florentine E)		
08:10 – 09:00	Keynote by Dr. Kamalika Das Ames Research Center, NASA (Florentine E)		
09:00 – 09:10	Break		
09:10 – 10:10	Session MA1 (Florentine E): Cybersecurity I	SessionMB1 (Florentine F): Education & Technology	SessionMC1: Posters (Hallway)
10:10 – 10:30	Coffee Break		
10:30 – 12:30	Session MA2 (Florentine E): Cybersecurity II	Session MB2 (Florentine F): Networking and Wireless Communications	
12:30 – 13:30	Lunch (on your own)		
13:30 – 15:30	Session MA3 (Florentine E): Cybersecurity III	Session MB3 (Florentine F): Agile Software Testing and Development	SessionMC2: Posters (Hallway)
15:30 – 16:00	Coffee Break		
16:00 – 18:30	Session MA4 (Florentine E) : Cybersecurity IV	Session MB4 (Florentine F): Computer Vision, Image Processing/Analysis	

April 17, 2018 – Tuesday

07:00 – 17:00	Registration (TBA)		
07:00 – 08:30	Breakfast (TBA)		
08:00 – 09:00	Keynote by Dr. Salim Hariri Professor, University of Arizona (Florentine E)		
	Break		
09:00 – 09:10	Session TA1 (Florentine E): High Performance Computing Architectures	Session TB1 (Florentine F): Software Engineering I	SessionTC1: Posters (Hallway)
10:10 – 10:30	Coffee Break		
10:30 – 12:30	Session TA2 (Florentine E): Data Mining/Machine Learning I	Session TB2 (Florentine F): Software Engineering II	
12:30 – 13:30	Lunch (on your own)		
13:30 – 16:30	Session TA3 (Florentine E): Data Mining/Machine Learning II	Session TB3 (Florentine F): Health Informatics, Pattern Detection	SessionTC2: Posters (Hallway)
15:30 – 16:00	Coffee Break		
16:00 – 18:30	Session TA4 (Florentine E): Data Mining/Machine Learning III	Session TB4 (Florentine F): Potpourri	
19:30 – 20:00	Award Ceremony (TBA)		
20:00 – 21:30	Conference Dinner Reception		

April 18, 2018 – Wednesday

07:00 – 08:30	Registration (TBA)		
07:00 – 08:30	Breakfast (TBA)		
08:30 – 10:00	Tutorial I (Florentine E) : Deep Learning with TensorFlow- Object Detection by Prof. Yenumula Reddy		
10:00 – 10:30	Coffee Break		
10:30 – 12:30	Tutorial II (Florentine E) : Software Testing- by Prof. Mehrdad Saadatmand		
12:30 – 13:30	Conference Conclusion		



**The International Conference on
Information Technology:
New Generations**

**April 16-18, 2018
Tuscany Suites, Las Vegas, Nevada, USA**

**ITNG 2018
ADVANCE PROGRAM**

April 15, 2018 - SUNDAY

5:00pm - 8:00pm: REGISTRATION (Convention Center- TBA)
6:00pm - 8:00pm: PRECONFERENCE RECEPTION (Florentine E)

April 16, 2018 - MONDAY

7:00am - 5:00pm: REGISTRATION (Convention Center- TBA)
7:00am - 8:30am: BREAKFAST (TBA)
8:00am - 8:10am: Conference Opening Remarks by
Shahram Latifi, ITNG CHAIR: TBA, University of Nevada, LasVegas
(Location: Florentine E)
8:10am - 9:00am: Keynote by **Dr. Kamalika Das**
Ames Research Center, NASA
(Location: Florentine E)

9:00 am - 9:10 am: Break

PARALLEL SESSIONS:

ASESSIONS (Florentine E)

SESSION MA1: Cybersecurity I

CHAIR: **Dr. Ping Wang, Robert Morris University, USA**
Co-CHAIR: **Dr. Doina Bein, California State University, Fullerton, USA**

9:10am - 10:10am

9:10-9:30 Safeguarding Personal Health Information Case Study
Holly Gandarilla

9:30-9:50 Cybersecurity as People Powered Perpetual Innovation
Mansur Hasib

9:50-10:10 Performance Study of the Impact of Security on 802.11ac Networks
Anthony Tsetse, Emilien Bonniord, Patrick Appiah-Kubi and Samuel Tweneboah-Kodua

10:10-10:30 Coffee Break

SESSION MA2: Cybersecurity II

CHAIR: **Dr. Ping Wang, Robert Morris University, USA**

Co-CHAIR: **Dr. Peter James Vial, University of Wollongong, Australia**

10:30am - 12:30pm

10:30-10:50 Training Neural Tensor Networks with the Never Ending Language Learner
Flávio A. O. Santos, Filipe B. do Nascimento, Matheus S. Santos and Hendrik T. Macedo

10:50-11:10 PERIA-Framework: A Prediction Extension Revision Image Annotation Framework
Umer Rashid and Bakhtawar Arif

11:10-11:30 The Modern State and The Further Development Prospects of Information Security in the Republic of Kazakhstan
Askar Boranbayev, Seilkhan Boranbayev, Assel Nurusheva and Kuanysh Yersakhanov

11:30-11:50 Evaluating Cybersecurity Threats to the UK National Healthcare System
Michael Gibbs

11:50-12:10 A Virtual Animated Commentator Architecture for Cybersecurity Competitions
Ruth Agada, Jie Yan and Weifeng Xu

12:10-12:30 Malicious Software Classification using VGG16 Deep Neural Network's Bottleneck Features
Edmar Rezende, Guilherme Ruppert, Tiago Carvalho, Antonio Theophilo, Fabio Ramos and Paulo de Geus

12:30-1:30 Lunch (on your own)

SESSION MA3: Cybersecurity III

CHAIR: **Dr. Ping Wang, Robert Morris University, USA**

Co-CHAIR: **Dr. Anteneh Girma, Howard University, USA**

1:30pm - 3:30pm

- 1:30-1:50 Cybersecurity Vulnerabilities Assessment (A Systematic Review Approach)
Hossein Zare, Mohammad-Jalal Zare and Mojgan Azadi
- 1:50-2:10 A Self Proxy Signature Scheme over NTRU Lattices
Sonika Singh and Sahadeo Padhye
- 2:10-2:30 Towards an Ontology of Security Assessment: a core model proposal
Ferrucio de Franco Rosa, Mario Jino and Rodrigo Bonacin
- 2:30-2:50 Integration of Mobile Forensic Tool Capabilities
Ping Wang, Matt Rosenberg and Hubert D'Cruze
- 2:50-3:10 Deep Packet Inspection: A Key Issue for Network Security
Hannah Bartus, Margaret Bordo and Meshal Altherwi
- 3:10-3:30 What Petya/NotPetya Ransomware is and What its Remediations are
Sharifah Fayi
- 3:30-4:00 Coffee Break

SESSION MA4: Cybersecurity IV

CHAIR: **Dr. Ping Wang, Robert Morris University, USA**

Co-CHAIR: **Dr. Kashif Saleem, King Fahd University, Saudi Arabia**

4:00pm - 6:00pm

- 4:00-4:20 Analysis of security vulnerability and Analytics of Internet of Things (IOT) Platform
Anteneh Girma
- 4:20-4:40 New Techniques for Public Key Encryption with Sender Recovery
Murali Godi and Roopa Vishwanathan
- 4:40-5:00 Cloud Intrusion Detection and Prevention system for M-voting application in South Africa: Suricata vs Snort
Moloiyatsana Dina Moloja, Noluntu Mpekoa and Darelle Van Greunen
- 5:00-5:20 A Requirements Engineering-based Approach for evaluating Security Requirements Engineering Methodologies
Sravani Teja Bulusu, Romain Labored, Ahmad Samer Wazan, Francois Barrere and Abdelmalek Benzekri
- 5:20-5:40 The Role of CAE-CDE in Cybersecurity Education for Workforce Development
Maurice Dawson, Ping Wang and Kenneth Williams
- 5:40-6:00 Software Optimizations for DES
Shay Gueron and Regev Shemy

B SESSIONS (Florentine F)

SESSION MB1: Education & Technology

CHAIR: Dr. Ronaldo Correia, Sao Paulo State University, Brazil

Co-CHAIR: Dr. Vicente Casares Giner, Universitat Politècnica de València, Brazil

9:10am - 10:10am

9:10-9:25 Internet Based Education: A New Milestone for FLA's Courses
João Rocha, Celso Olivete, Gabriel Spadon, Ronaldo Correia, Pedro Gomes, Rogério Garcia and Danilo Eler

9:25-9:40 Teaching Communication Management in Software Projects through Serious Educational Games
Adler Diniz de Souza, Carlos Eduardo Sanches da Silva and Rafaella Marchi Pellegrini

9:40- 9:55 Gamification Applied in the Teaching of Agile Scrum Methodology
Luiz Eduardo Guarino de Vasconcelos, Leandro Guarino de Vasconcelos, Leonardo Oliveira, Gabriel Guimarães and Felipe Ayres

9:55-10:10 An Experience of Using a Board Serious Virtual Game for Teaching the SCRUM Framework
Adler Diniz de Souza, Rodrigo Duarte Seabra, Juliano R. Ribeiro and Lucas Eduardo

10:10-10:30 Coffee Break

SESSION MB2: Networking and Wireless Communications

CHAIR: Dr. Kashif Saleem, King Fahd University, Saudi Arabia

Co-CHAIR: Dr. Doina Bein, California State University, Fullerton, USA

10:30am - 12:30pm

10:30-10:50 Design and Development of VXLAN based Cloud Overlay Network Monitoring System and Environment
Shahzada khurram and Osman Ghazali

10:50-11:10 End to End Delay Analysis in a Two Tier Cluster Hierarchical Wireless Sensor Networks
Vicente Casares-Giner, Tatiana Navas, Dolly Flórez and Tito R. Vargas H.

11:10-11:30 Tools to Support SMEs to Migrate to the Cloud: Opportunities and Challenges
Heleno Cardoso, Glauco Carneiro, Ed Costa and Miguel Monteiro

11:30-11:50 A Dual canister medicine Internet of Things Dispenser

*Peter Vial, James Sansom, David Stirling, Prashan Premaratne,
LeChung Tran and Montserrat Ros*

11:50-12:10 Local Clock Synchronization without Transmission Delay Estimation of Control Messages in Wireless Sensor Networks
Ayako Arao and Hiroaki Higaki

12:10-12:30 OPEN SLOT

12:30-1:30 Lunch (on your own)

SESSION MB3: Agile Software Testing & Development

CHAIR: **Dr. Luiz Alberto Vieira Dias, ITA, Brazil**

Co-CHAIR: **Dr. Roopa Vishwanathan, New Mexico State University, USA**

1:30pm - 3:30pm

1:30-1:45 Teaching Scrum by Doing Scrum in Internships in South Africa to Prepare interns for Agile Projects
Laurie Butgereit

1:45-2:00 Alignment of Requirements and Testing in Agile: an Industrial Experience
Alessio Bucaioni, Antonio Cicchetti, Federico Ciccozzi, Manvisha Kodali and Mikael Sjödin

2:00-2:20 Health Care Information Systems: A Crisis Approach
Daniela America da Silva, Gildarcio Sousa Goncalves, Samara Cardoso dos Santos, Victor Ulisses Pugliese, Julhio Navas, Rodrigo Monteiro de Barros Santana, Filipe Santiago Queiroz, Luiz Alberto Vieira Dias, Adilson Marques da Cunha and Paulo Marcelo Tasinaffo

2:20-2:40 Using Correct-by-Construction Software Agile Development
Rafael Shigemura, Gildarcio Goncalves, Luiz Dias, Paulo Tasinaffo, Adilson Cunha, Luciana Mizioka, Leticia Yanaguya and Victor Pugliese

2:40-3:00 Service-Centered Operation Methodology (MOCA) application supported by computer science to improve continuously care quality in public services
Denis Avila Montini

3:00-3:15 Improving Agile Software Development with Domain Ontologies
Pedro Lopes de Souza, Antonio Francisco do Prado, Wanderley Lopes de Souza, Sissi Marília dos Santos Forghieri and Luis Ferreira Pires

3:15-3:30 A Stratified Sampling Algorithm for Artificial Neural Networks
Denis Avila Montini

3:30-4:00 Coffee Break

SESSION MB4: Computer Vision, Image Processing/Analysis

CHAIR: **Dr. Doina Bein, California State University, Fullerton, USA**

Co-CHAIR: TBA

4:00pm - 6:00pm

- 4:00-4:20 A Computer Vision Based Algorithm for Obstacle Avoidance
Wander Mendes Martins, Rafael Gomes Braga, Felix Mora-Camino And Alexandre Carlos Brandao Ramos
- 4:20-4:40 The ST-Vis tool for SpatioTemporal Visualization
Ana Vieira
- 4:40-5:00 Detection of early gastric cancer from endoscopic images using Wavelet Transform Modulus Maxima
Yuya Tanaka and Teruya Minamoto
- 5:00-5:20 Detection method of early esophageal cancer from endoscopic image using dyadic wavelet transform and four-layer neural network
Hajime Omura and Teruya Minamoto
- 5:20-5:40 Study of Specific Location of Exhaustive Matching in Order to Improve the Optical Flow Estimation
Vanel Lazcano
- 5:40-6:00 Solar-powered UAS: a Case Study for Ground Change Detection in BRICs Countries
Alexandre Ramos, Elcio Shiguemori, Sergey Serokhvastov, Pradeep Gupta and Lunlong Zhong

SESSION MC1 – POSTERS (Hallway)

CHAIR: **Dr. Mansur Hasib, UMUC, USA**

Co-CHAIR: TBA

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

Customer service management and Customer satisfaction: a study of Internet Related Banking Service of First National Bank of South-Africa
Monique Ntandunzadi

Cross-Cultural Perspective of E-Commerce Website Usability Requirements: Through the Lens of Individual's Perception
Jay Jung, Jae Min Jung and Sonya Zhang

Methods of Ensuring the Reliability and Fault Tolerance of Information Systems
Askar Boranbayev, Seilkhan Boranbayev, Kuanysh Yersakhanov and Assel Nurusheva

SESSION MC2 – POSTERS (Hallway)

CHAIR: **Dr. Mansur Hasib, UMUC, USA**

Co-CHAIR: TBA

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

Credit Limit Revision Study for a Retail Enterprise

Strauss Carvalho Cunha, Emanuel Mineda Carneiro, Lineu Fernando Stege Mialaret, Luiz Alberto Vieira Dias and Adilson Marques da Cunha

Application of a Effective Methodology for Analysis of Frailty and its Components in Elderly

Jorge Mello, Diba Souza, Carlos Tamaki, Alexandre Ramos, Vitor Galhardo and Daniela Veiga

A Classifier Evaluation for Payments' Default Predictions in a Brazilian Retail Company

Strauss Carvalho Cunha, Emanuel Mineda Carneiro, Lineu Fernando Stege Mialaret, Luiz Alberto Vieira Dias and Adilson Marques da Cunha

April 17, 2018 - Tuesday

7:00am - 5:00pm: REGISTRATION (TBA)

7:00am - 8:30am: BREAKFAST (TBA)

8:00am - 9:00am: **Keynote by Dr. Salim Hariri, Arizona State University**

Network Security

(Location: Florentine E)

PARALLEL SESSIONS:

A SESSIONS (Florentine E)

SESSION TA1: High Performance Computer Architectures

CHAIR: **Dr. Fangyan Shen, New York City Technology of Technology**

Co-CHAIR: TBA

9:10am - 10:10am

9:10- 9:25

Solar-powered UAS: a Case Study for Ground Change Detection in BRICs Countries

Alexandre Ramos, Elcio Shiguemori, Sergey Serokhvostov, Pradeep Gupta and Lunlong Zhong

9:25-9:40

Mining Associations between Two Categories using Unstructured Text Data in Cloud

Yanqing Ji, Yun Tian, Fangyang Shen and John Tran

9:40-10:55

A note on computational science curriculum

Jun Zhang and Fangyang Shen

9:55-10:10 Development of a Local Cloud-Based Bioinformatics Architecture
Chandler Staggs and Dr. Michael Galloway

10:10-10:30 Coffee Break

SESSION TA2: Data Mining/Machine Learning I

CHAIR: **Dr. Luiz Alberto Vieira Dias, ITA, Brazil**

Co-CHAIR:

10:30am - 12:50pm

10:30-10:50 Mining of ENADE Data from the Ulbra Network Institutions.
Heloise Acco Tives Leão, Edna Dias Canedo, Marcelo Ladeira and Fabiano Fagundes

10:50-11:10 Fault diagnostic of variance shifts in clinical monitoring using an Artificial Neural Network Input Gain Measurement Approximation (ANNIGMA)
Nadeera Gunaratne, Mali Abdollahian And Shamsul Huda

11:10-11:30 Investigating Attribute Assessment for Credit Granting on a Brazilian Retail Enterprise
Strauss Carvalho Cunha, Emanuel Mineda Carneiro, Lineu Fernando Stege Mialaret, Luiz Alberto Vieira Dias Alberto Vieira Dias and Adilson Marques da Cunha

11:30-11:50 Cross-language approach for sentiment classification in Brazilian Portuguese with ConvNets
Rafael P. da Silva, Flávio Arthur O. Santos, Filipe B. do Nascimento and Hendrik Macedo

11:50-12:10 Thematic Spatiotemporal Association Rules to Track the Evolving of Visual Features and their Meaning in Satellite Image Time Series
Carlos Roberto Silveira Junior, José Roberto Cecatto, Marilde Terezinha Prado Santos and Marcela Xavier Ribeiro

12:10-12:30 DeRis: Information system supporting the prediction of default risk in companies
Claudio Lelis and Andre Lopardi

12:30-12:50 Taking a Steppe towards optimizing Note-Taking Software by creation of a Note Classification Algorithm
Daniela Zieba, Wren Jenkins, Michael Galloway and Jean-Luc Houle

12:30-1:30 Lunch (on your own)

SESSION TA3: Data Mining/Machine Learning II

CHAIR: **Dr. Glauco Carneiro, Universidade Salvador (UNIFACS), Brazil**

Co-CHAIR: TBA

1:30pm - 3:30pm

- 1:30-1:50 Pattern Recognition for Time Series Forecasting: A Case Study for a Helicopter's Flight Dynamics
Pedro Fernandes, Marcelo Sousa, Danilo Roque and Alexandre Ramos
- 1:50-2:10 A Model For Hour-Wise Prediction Of Mobile Device Energy Availability
Mathias Longo, Cristian Mateos and Alejandro Zunino
- 2:10-2:30 Enhancing Lipstick Try-On with Augmented Reality and Color Prediction Model
Nuwee Wiwatwattana, Sirikarn Chareonvassakul, Noppon Maleerutmongkol and Chavin Charoenvitvorakul
- 2:30-2:50 A Traffic Light Recognition Device
Thiago Almeida, Hendrik Macedo and Leonardo Matos
- 2:50-3:10 An Approach to Prepare Data to Feed Visual Metaphors in a Multiple View Interactive Environment
Ronaldo Nascimento, Glauco Carneiro and Miguel Monteiro
- 3:10-3:30 Reproducible Research in Document Analysis and Recognition
Jorge Ramon Fonseca Cacho and Kazem Taghva
- 3:30-4:00 Coffee Break

SESSION TA4: Data Mining/Machine Learning III

CHAIR: **Dr. Doina Bein, California State University, Fullerton, USA**

Co-CHAIR: TBA

4:00pm - 6:20pm

- 4:00-4:20 Music Genre Classification using Data Mining and Machine Learning
Nimesh Prabhu, James Andro-Vasko, Doina Bein and Wolfgang Bein
- 4:20-4:40 Improving Word Representations Using Paraphrase Dataset
Flávio A. O. Santos and Hendrik T. Macedo
- 4:40-5:00 A Initial Experimental Evaluation of the NeuroMessenger: A Collaborative Tool to Improve the Empathy of Text Interactions
Breno Santos, Methanias Colaço Júnior and Janisson Souza
- 5:00-5:20 Dual Long Short-Term Memory Networks for Sub-Character Representation Learning
Han He, Lei Wu, Xiaokun Yang, Hua Yan, Zhimin Gao, Yi Feng and George Townsend

- 5:20-5:40 Business Intelligence Dashboard Application for Insurance Cross Selling
Jagan Mohan Narra, Doina Bein and Vlad Popa
- 5:40-6:00 Speech Features Analysis for Tone Language Speaker Discrimination Systems
Moses Ekpenyong, Udoinyang Inyang and Mercy Edoho
- 6:00-6:20 Selection of Transformations of Continuous Predictors in Logistic Regression
Michael Chang, Rohan Dalpatadu and Ashok Singh
- 6:00-7:00 **ITNG Committee Meeting (By Invitation Only)**
- 7:30-8:00 Award Ceremony (Florentine E)
- 8:00- 9:30 Conference Dinner Reception (Tuscany)

B SESSIONS (Florentine F)

SESSION TB1: Software Engineering I

CHAIR: **Dr. Glauco Carneiro, Universidade Salvador (UNIFACS), Brazil**

Co-CHAIR: **Dr. Luiz Alberto Vieira Dias, ITA, Brazil**

9:10am - 10:10am

- 9:10- 9:30 A Generic Approach to Efficiently Parallelize Legacy Sequential Software
Andreas Granholm and Federico Ciccozzi
- 9:30-9:50 Test Suite Prioritization Using Clustering and Combinatorial Methods for GUI and Web Applications
Dmitry Nurmuradov, Renee Bryce, Shraddha Piparia and Barrett Bryant
- 9:50-10:10 A Timed Petri Net Model to Specify Scenarios of Video Games
Franciny Barreto, Joslaine Cristina Jeske de Freitas and Stéphane Julia
- 10:10-10:30 Coffee Break

SESSION TB2: Software Engineering II

CHAIR: **Dr. Glauco Carneiro, Universidade Salvador (UNIFACS), Brazil**

Co-CHAIR: **Dr.**

10:30am - 12:30pm

- 10:30-10:50 Survey of Biometric Techniques for Automotive Applications
Maria Villa, Mikhail Gofman and Sinjini Mitra
- 10:50-11:10 A Survey on adoption Good Practices for ICT Governance at Enhanced Organizations
Marianne Batista Diniz da Silva, Alef Menezes dos Santos, Michel dos Santos Soares, Rogério Patricio Chagas do Nascimento and Isabel Dillmann Nunes
- 11:10-11:30 Budget and User Feedback Control Strategy-based PRMS Scenario Web Application
Rui Wu, Jose Painumkal, Sergiu Dascalu and Frederick Harris
- 11:30-11:50 A Controlled Natural Language Editor for Semantic of Business Vocabulary and Rules
Carlos E. P. da Purificação and Paulo Caetano da Silva
- 11:50-12:10 An Approach Based on Possibilistic Workflow Nets to Model Multiplayer Video Games
Franciny Barreto, Leiliane Pereira de Rezende and Stéphane Julia
- 12:10-12:30 Protecting Personal Data with Blockchain Technology
Alexander Masluk and Mikhail Gofman
- 12:30-12:50 Prediction of Defective Software Modules Based on Kaizen Programming
Alexandre Nascimento, Vinicius Melo, Luiz Alberto Vieira Dias and Adilson Cunha
- 12:50-1:30 Lunch (on your own)

SESSION TB3:Health Informatics, Pattern Detection

CHAIR: **Dr. Thomas Jell, Siemens, Germany**

Co-CHAIR: **TBA**

1:30pm - 3:30pm

- 1:30- 1:50 Benefits of Establishing Makerspaces in Distributed Development Environment
Basit Shahzad and Kashif Saleem
- 1:50-2:10 Semantic description of healthcare devices to enable data integration
Antonella Carbonaro, Filippo Piccinini and Roberto Reda
- 2:10-2:30 Applying transfer learning to QSAR regression models
Rodolfo Simões, Patría Oliveira, Clodoaldo Lima and Káthia Honório

- 2:30-2:50 Investigating the Recognition of Non-Articulatory Sounds by using Statistical Tests and Support Vector Machine
Francisco Carlos Monteiro, Alinne Corrêa, Gilberto Nakamura, Marinalva Soares, Patricia Mandrá and Alessandra Macedo
- 2:50-3:10 A Complete Diabetes Management and Care System
Claudio Lelis and Renan Motta
- 3:10-3:30 On The Use Of The Van Der Pauw Technique To Monitor Skin Burning In Patients Undergoing Interferential Current Therapy (IFC) With Extension To Other E-Stim Monitoring
Lawrence Hmurcik, Sarosh Patel and Navarun Gupta
- 3:30-4:00 Coffee Break

SESSION TB4: Potpourri

CHAIR: **Dr. Alexandre Ramos, UNIFEI, Brazil**

Co-CHAIR: **Dr. Doina Bein, California State University, Fullerton, USA**

4:00pm - 5:20pm

- 4:00-4:20 Smart Lightening Controlling System: Case Study of Yarmouk University Museum
Mohammed Akour, Ziad Al saad, Abd Rahman Al Asmar and Abd Al rahem Jarrah
- 4:20-4:40 Incremental Topology Generated for ANN A Case Study on a Helicopter's Flight Simulation
Pedro Fernandes, Alexandre Ramos, Danilo Roque and Marcelo Sousa
- 4:40-5:00 Degree Aware Triangulation of Annular Regions
Laxmi Gewali
- 5:20-5:20 Heuristics Approaches for the Open-Shop Scheduling Problem
Haidar Harmanani and Wissam Marrouche
- 5:20-5:20 Continuous State Power-down Systems for Renewable Energy Management
James Andro-Vasko, Surya Avasarala and Wolfgang Bein
- 5:20-5:20 Extracting Timing Models from Component-based Multi-criticality Vehicular Embedded Systems
Saad Mubeen, Mattias Gålnander, John Lundbäck and Kurt-Lennart Lundbäck
- 6:00-7:00 ITNG Committee Meeting (By Invitation Only)**

7:30-8:00 Award Ceremony (Florentine E)

8:00-9:30 Conference Dinner Reception (Tuscany)

SESSION TC1 – Posters (Hallway)

9:00am -12:30pm (Location: Hallway)

Confidentiality, Integrity and Availability (CIA) in Electronic Health Records: An Integrative Review

Mojgan Azadi and Hossein Zare

Operating System Security Management and Ease of Implementation (Passwords, Firewalls and Antivirus)

Hossein Zare, Peter Olsen, Mohammad J. Zare and Mojgan Azadi

Methods for Processing Big Data

Seilkhan Boranbayev, Assulan Nurkas, Yersultan Tulebayev and Baktygeldi Tashtai

SESSION TC2 – POSTERS (Hallway)

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

Software Architecture For In-House Development Of A Student Web Portal For Higher Education Institution In Kazakhstan

Askar Boranbayev, Ruslan Baidyussenov and Mikhail Mazhitov

Modified Huffman Code for Bandwidth Optimization through Lossless Compression

Alexander Hansen and Mark Lewis

BIG IoT – Interconnecting IoT Platforms from different domains First success story

Thomas Jell, Arne Bröring and Jelena Mitic Mitic

7:30-8:00 Award Ceremony (Florentine E)

8:00-9:30 Conference Dinner Reception (Tuscany)

April 18, 2018 - Wednesday

7:00am-8:30am: REGISTRATION (TBA)

7:00am - 8:30am: BREAKFAST(TBA)

8:30a-10:00: **Tutorial I: Deep Learning with TensorFlow (Object Detection)**

**Prof. Yenumula Reddy
(Florentine E)**

10:00–10:30: Coffee Break

10:30a-12:00: **Tutorial II: Software Testing**

**Dr. Mehrdad Saadatmand
(Florentine E)**

Conference Conclusion

END OF SCHEDULE.....