



2018 International Conference on Inventive Computing

Systems and Applications

January 29-30, 2018

Program Schedule

Conference Day-1 | January-29

Venue: Hotel Ibis, Pattaya, Thailand.

|                               |                     |
|-------------------------------|---------------------|
| Registration, Keynote Address | 09:00am - 09:30am   |
| Research Session-I            | 09.30am - 11.30am   |
| Tea Break                     | 11:30am - 12:00pm   |
| Research Session-II           | 12.00pm – 01.00pm   |
| Lunch                         | 01.00pm - 02.00 pm  |
| Research Sessions-III         | 02:00 pm - 04:00pm  |
| Tea Break                     | 04.00 pm - 04.15 pm |
| Discussions                   | 04.15 pm - 04.30 pm |



Conference Day-2 | January-30

Mode: Video Conference

|                               |                     |
|-------------------------------|---------------------|
| Registration, Keynote Address | 09:00am - 09:30am   |
| Research Session-I            | 09.30am - 11.30am   |
| Tea Break                     | 11:30am - 12:00pm   |
| Research Session-II           | 12.00pm – 01.00pm   |
| Lunch                         | 01.00pm - 02.00 pm  |
| Research Sessions-III         | 02:00 pm - 04:00pm  |
| Tea Break                     | 04.00 pm - 04.15 pm |
| Discussions                   | 04.15 pm - 04.30 pm |

Speaker and Session Chair

Dr.S.Smys

Associate Editor, Elsevier CEE.



Conference Day-1 | January-29

Research Session-I | 09.30am - 11.30am

| S.No | Title/Author Name   | Time Slot         |
|------|---|-------------------|
| 1    | Universal Vehicle Identification and Classification System (UVICS) Using Image Processing<br>Ishraq Haider Chowdhury, Afsana Abida, Nur-E- Zannat, Naresh Singh Chauhan                           | 09.30am – 09.40am |
| 2    | E-Commerce System Design to Expand Indonesian Eels Processed Product for International Market<br>Wiwin Windihastuty, Rini Lestari   | 09.40am - 09.50am |
| 3    | Automated Mobile Robot with RFID Scanner and Self Obstacle Avoiding System<br>Asif Ahmed Nelay, Aziz Arman, Mohammad Samiul Islam, Tamanna Motahar  | 09.50am – 10.00am |
| 4    | The Analysis of Fruit Ripening Level from Diffusion of Gases by using Data Mining Techniques<br>Udomsak Paeanpairoj,Wutthipong Chinnasri  | 10.00am – 10.10am |
| 5    | Mixed Facial Emotion Recognition using Active Appearance Model and Hidden Conditional Random Fields<br>Dewi Yanti Liliana, T. Basaruddin, M. Rahmat Widyanto                                      | 10.10am – 10.20am |
| 6    | Smart Bus: An Automated Passenger Counting System<br>Jafrul Islam Sojol, Nayma Ferdous Piya, Shalim Sadman, Tamanna Motahar   | 10.20am – 10.30am |
| 7    | Classification of EEG Signals during Meditation and Controlled State Using PCA, ICA, LDA and Support Vector Machines<br>Rahul Ingle, Sonal Oimbe, Vikram Kehri, R N Awale                         | 10.30am – 10.40am |
| 8    | SoC-based Abnormal Ethernet Packet Detector for a High Performance Intrusion Detection System<br>Jiwoong Kang, Jaehyun Park   | 10.40am – 10.50am |
| 9    | Extended Kalman Filter Design for Cost Effective Bio-medical Motion Sensor<br>Sumin Ahn, Haemi Jee, Jaehyun Park  | 10.50am – 11.00am |
| 10   | Measuring The Quality of Object-Oriented Software Utilizing CK Metrics From Its Versions<br>Iwan Binanto , Harco Leslie Hendric Spits Warnars, Ford Lumban Gaol, Edi Abdurachman, Benfano Soewito | 11.00am – 11.10am |



Conference Day-1 | January-29

Research Session-II | 12.00pm – 01.00pm

| <b>S.No</b> | <b>Title/Author Name</b>  | <b>Time Slot</b>   |
|-------------|---|--------------------|
| 1           | A Comprehensive Review on Security Attacks in Dynamic Wireless Sensor Networks based on RPL protocol<br><b>Basim Ahmad Alabsi, Mohammed Anbar, Selvakumar anickam</b> | 12.00pm – 12.10pm  |
| 2           | Nigella Sativa - Breast Cancer Therapeutic Agent to Replace Allopathic Treatments With Extensive Side – Effects<br><b>Neha Vutakuri, Sita Somara</b>                  | 12.10pm – 12.20pm  |
| 3           | Secret Bot: A Bluetooth Controlled Spy Robot<br><b>Rabbani Rasha, Alin Mostafa, Tamanna Motahar</b>   | 12.20pm – 12.30pm  |
| 4           | An Amalgamated Prediction Model for Breast Cancer Detection using Fuzzy Features<br><b>Smita Jhahharia, Seema Verma, Rajesh Kumar</b>                                 | 12.30 pm – 12.40pm |
| 5           | Code Level, Design Level Cohesion and Inheritance Metrics in Measuring Software Design Quality<br><b>Poornima U. S, Suma. V</b>                                       | 12.40pm – 12.50pm  |
| 6           | Study of LogSPA decoder with Quadratic residue sequences for Communication System<br><b>Rajagopal A, Karibasappa K., Vasundara Patel K. S</b>                         | 12.50pm – 01.00pm  |



**Conference Day-1 | January-29**  
**Research Session-III | 02:00 pm - 04:00pm**

| <b>S.No</b> | <b>Title/Author Name</b>  | <b>Time Slot</b>  |
|-------------|---|-------------------|
| 1           | HCI applied to the management of parking lots using SURF algorithm programmed in free software<br>Eddie E. Galarza, Franklin M. Silva M, Eddie D. Galarza, Juan C. Chiza, Jimmy F. Vilatuña | 02.00pm – 02.10pm |
| 3           | Critical Components of Security Framework for Cloud Computing Community: A Systematic Literature Review<br>Firman Anindra, Meyliana, Achmad Nizar Hidayanto, Harjanto Prabowo               | 02.20pm – 02.30pm |
| 4           | IoT for Development of Smart Public Transportation System: A Systematic Literature Review<br>Dina Fitria Murad, Meyliana, Achmad Nizar Hidayanto, Harjanto Prabowo                          | 02.30pm – 02.40pm |
| 5           | Performance Improvement of Cloud Storage by Adopting Non-volatile Buffer Cache<br>Hyunyoung Choi, Yong-Hyeon Shin, Hyokyung Bahn  | 02.40pm – 02.50pm |
| 6           | Framework Of Compliance Of Sarbanes-Oxley For Improved Performance Of Stock Operational Business In Mutual Fund Company<br>Muhammad Irsan, Firman Anindra, Dina Fitria Murad, Johan Budiman | 02.50pm – 03.00pm |
| 7           | Computer Self-Efficacy in Programming Language for Non-Technical Students using Scratch Programming<br>M. Mohd Hilal, I. Anas Suzastri, A. Zulhazlin  | 03.00pm – 03.10pm |
| 8           | Performance Evaluation of Vedic Multiplier Using 180nm Technology and FinFET Technology<br>Indira Yenikapati, Shaik Sadulla   | 03.10pm – 03.20pm |
| 9           | Towards a Two-tier Context-based Service Discovery Framework for Mobile Web Services<br>Dominic Afuro Egbe, Bethel Mutanga Murimo   | 03.20pm – 03.30pm |
| 10          | Machine Learning Algorithms: A Background artifact<br>A. Surendar, C. Rajan, J. Deepika   | 03.30pm – 03.40pm |
| 11          | EEG Feature extraction using Daubechies Wavelet and Classification using Neural Network<br>Mangala Gowri S G, Cyril Prasanna Raj P  | 03.40pm – 03.50pm |
| 12          | Modified HOG based on-road vehicle detection method<br>Yehia Zakaria, Hossam E. Abd El Munim, M Ghoneima, Sherif Hammad   | 03.50pm – 04.00pm |



## Conference Day-2 | January-30

### Research Session-I | 09.30am - 11.30am

| S.No | Title/Author Name   | Time Slot         |
|------|---|-------------------|
| 1    | An improved Artificial Electrolarynx<br>Inbamalar T M, Apoorva N, Akshayaa T M, GokulPooja C, Jayashre T,<br>Jayashree D                                | 09.30am – 09.40am |
| 2    | Mechatronic Applications in Industrial and Home Appliances<br>Ravi Chitgopkar, Dr. IbrahimPatel, Dr. Babu Suryawanshi                                   | 09.40am - 09.50am |
| 3    | Effective and Efficient Design for 2D Mesh Network-on- Chip Router<br>Shilpa Kodgire, Dr. U. D. Shiurkar, Dr. R.M. Autee                                | 09.50am – 10.00am |
| 4    | Proactive model based testing and evaluation for component- based<br>systems for biomedical Applications<br>M. Siva Srinivasa RaoA, C.Rajan             | 10.00am – 10.10am |
| 5    | Exploratory Testing Challenges<br>Rashmi N, Suma V  | 10.10am – 10.20am |
| 6    | Analysis of Quality Assessment methods in Distance Education- A case-<br>study based approach<br>Ramya S Gowda, Suma V                                  | 10.20am – 10.30am |
| 7    | Automatic Language and Text Independent Speech Emotion Recognition<br>using MFCC and DWT for ATM Security System<br>S. M.Jagdale, J.S.Chitode,S.T.Saste | 10.30am – 10.40am |
| 8    | Significance of Recognition and Classification of medicinal leaves in Image<br>Processing<br>Pankaja K , Suma V   | 10.40am – 10.50am |
| 9    | Analytics on Real Time Service Request Data for Ticket Volume by<br>Industry Domain and Technology<br>Sharon Christa, Suma V                            | 10.50am – 11.00am |
| 10   | Effective and Efficient Design for 2D Mesh Network-on-Chip Router<br>Shilpa Kodgire, Dr. U. D. Shiurkar, Dr. R.M. Autee                                 | 11.00am – 11.10am |
| 11   | Nature of Life and Survivability of Women and Men with Breast Cancer<br>Smita Jhajharia, Seema Verma, Rajesh Kumar                                      | 11.10am – 11.20am |
| 12   | A Study on Recycled Concrete Aggregates<br>Pavan P S, Babitha Rani H,Deepika Girish, Raghavendra K M, Vinod P N<br>Dushyanth.V.Babu.R, Shaik Numan      | 11.20am – 11.30am |



Conference Day-2 | January-30

Research Session-II | 12.00pm – 01.00pm

| <b>S.No</b> | <b>Title/Author Name</b>   | <b>Time Slot</b>   |
|-------------|--|--------------------|
| 1           | A Review on Cross Media Recovery Ideas and Procedures<br>Monelli Ayyavaraiah, Bondu Venkateswarlu  | 12.00pm – 12.10pm  |
| 2           | Umbilical Cord Acid-Base Analysis: A Fuzzy Diagnosis Technique<br>Shubham Singh, Sayani Pal, Joy Chowdhury, J. K. Das, Deeksha Agarwal,<br>Dewashish Surjan, Kiran Nayak   | 12.10pm – 12.20pm  |
| 3           | Cardiovascular Response to Simulated Real and Non-Real Life Stressors -<br>A Comparative Case study using Heart Rate Variability and Personality<br>Traits in a Physically Trained Group<br>Remya George, Biju Bahuleyan, K. Meenakshy | 12.20pm - 12.30pm  |
| 4           | Fruit Fly Algorithm for Estimation of Quality Ripening of Fruits<br>V. Srividhya, K.Sujatha, N. Jayachitra   | 12.30 pm – 12.40pm |
| 5           | Savior: A Mobile Application and Companion Device for Ensuring Individuals<br>Safety<br>Md. Asif Khan, Kazi Asfaq Ahmed Ador, Sarwar Jahan, Tamanna Motahar  | 12.40pm - 12.50pm  |