

# INTERNATIONAL CONFERENCE ON INNOVATIONS IN INFO-BUSINESS & TECHNOLOGY 2022



## ICIIT-2022 PROGRAM SCHEDULE 18<sup>TH</sup> FEBRUARY 2022 @ THE KINGSBURY COLOMBO

08:00 – 09:00 CONFERENCE REGISTRATION

09:00 – 09:10 INAUGURATION

09:15 – 09:25 **WELCOME SPEECH**  
Mr. Mohan Fernando: Chief Executive Officer, IIT



09:25 – 09:35 **ADDRESS BY CONFERENCE CHAIR**  
Prof. N.D. Kodikara: Senior Professor, HOD: Faculty of Computing, IIT



09:35 – 10:05 **KEYNOTE SPEECH**  
Prof. Rudolf Haggmuller: Geschäftsführer ACU GmbH, Germany  
*"Digital transformation & innovation for a sustainable society"*



10:05 – 10:25 Break 1: Morning snacks, tea/coffee break

10:25 – 10:50 **MAIN SPEECH**  
Prof. Jinchang Ren: Professor of Computing Science, Robert Gordon University, Scotland  
*"Hyperspectral imaging: Emerging techniques and new applications in non-destructive inspection and quality grading based industrial automation."*



10:50 – 11:20 **TECH TALK**  
Platinum Sponsor  
*SLT Mobitel*

**TECHNICAL SESSION 1**  
**PARALLEL BREAKOUT SESSIONS**

**Artificial Intelligence & Data Science**  
Session Chair:  
**Dr. Ruvan Weerasinghe**

**Computing**  
Session Chair:  
**Mr. Chandana Weerasinghe**

**Technology Of Business & Management and Organization**  
Session Chair:  
**Prof. P.S.M Gunaratne**

11:30 – 11:50 **Guest Speech**  
Dr. Radheeka Abeyweera  
Manager, Monetization Product Research, Meta, USA  
*"Causal Inference: Looking beyond correlations for smarter decisions"*



**Guest Speech**  
Dr. Stewart Massie  
Reader in Computing  
Robert Gordon University, Scotland  
*"Proactive approaches to health, monitoring and management"*



**Guest Speech**  
Prof. Nalin Abeysekera  
Head, Department of Marketing, Faculty of Management Studies, Open University of Sri Lanka  
*"Management and happiness"*



11:50 - 12:10

**Presentation 1**  
**Maneesha Udari Athukorala**

*Swa Bhasha: Message-Based  
Singlish to Sinhala Transliteration*

**Presentation 1**  
**Praneeth Welihinda**

*Connecting Sri Lankan Vehicle  
Owners and Local Authorities Using  
an IoT Based Mobile Application*

**Presentation 1**  
**Hiruni Purna Samarage**

*Analysis of the mediating effect of Price  
on Consumer Purchase Intentions of  
Organic Food in Sri Lanka*

12:12: 12:32

**Presentation 2**  
**Keerthiga Rajenthiram**

*Personalized Recommendation using  
Sentiment Analysis: An Aspect Based  
Opinion Mining Approach*

**Presentation 2**  
**Shashini Panchali**

*Effective Monitoring of Diabetes  
Mellitus Self-Care Routine*

**Presentation 2**  
**Sarah Rashmini Ratnayake**

*Matern.ly - A Customized Electronic  
Medical Record System specializing in  
maternity care for a private hospital in  
Sri Lanka*

12:34: 12:54

**Presentation 3**  
**Prasanna Rodrigo**

*Deficiency Identification of  
Greenhouse Lettuce using  
Explainable AI*

**Presentation 3**  
**Merian Lesster Damian**

*MamaMoods: A Serious Game  
Designed to Provide Awareness on  
Antenatal Mental Health*

**Presentation 3**  
**Francois Roubert**

*Coordinative Objects: supporting  
coordination in globally distributed  
projects*

13:00 – 14:00

**Lunch Break**

14:00 – 14:25

**GUEST SPEECH**

**Prof. Tamas Kiss:** Director of Research Centre for Parallel Computing, School Research Lead, Editor in Chief Journal of Grid Computing (Springer), University of Westminster, England  
*"Digitalization challenges and solutions in the manufacturing sector in light of the current pandemic "*



**TECHNICAL SESSION 2**  
**PARALLEL BREAKOUT SESSIONS**

**Artificial Intelligence & Data  
Science**

Session Chair:  
**Mr. Nipuna Senanayake**

**Computing**

Session Chair:  
**Mr. Chandana Weerasinghe**

**Technology Of Business &  
Management and Organization**

Session Chair:  
**Prof. P.S.M Gunaratne**

14:25 – 14:45

**Guest Speech**  
**Mr. Nuwan I. Senaratne**

Computer Scientist, Ex Meta  
(Facebook)  
*"Data driven digital  
transformation for a sustainable  
society"*



**Guest Speech**  
**Dr. Alexander Bolotov**

Doctoral Research Development  
Programme Coordinator  
University of Westminster, England  
*"SMARTTEST - an online dynamic  
platform offering visualized learning  
content and linked data knowledge  
representation"*



**Guest Speech**  
**Dr. Klaus Schmidt**

Graduate Program Director for Project  
Management,  
Illinois State University, USA  
*"Covid-19 pandemic:  
Technological, sociological, and legal  
challenges and opportunities"*



14:45 : 15:05

**Presentation 4**  
**Menusha Prashan**

*Anemia Prediction Using Ensemble  
Learning Techniques*

**Presentation 4**  
**Imani Randhuli**

*A Needs Analysis for English for  
Specific Purposes Online Course for  
Management and Information  
Technology (MIT): A Tertiary Level  
Sri Lankan Study*

**Presentation 4**  
**Thupika Ganesharajah**

*SnoreHelp – A mobile application to  
analyze, track and record snoring and to  
predict Obstructive Sleep Apnea*

15:07 : 15:27

**Presentation 5**  
**Gayathri Panduwawala**

*Working from Home and Employee  
Engagement amid the COVID-19  
Pandemic: Based on Deep  
Convolutional Neural Network and a  
Mini Survey*

**Presentation 5**  
**Jude Sajith**

*Explicit Data-driven Ideation Tool  
Hack*

**Presentation 5**  
**Robert Samuel Mangialardi**

*Covid-19 Emergency Mitigation  
Strategies and their Impact on the  
Renewable Energy Supply Chain: An  
Outlook*

15:29 : 15:49

**Presentation 6**  
**Ganesha Kalyani**

*Improved Numerical Approach for  
Median Filter*

15:55 – 16:15

**Break 2 : Evening snacks, tea/coffee break**

16:15 – 17:10

**INVITED SPEECH**

**Dr. Gerard Fernando:** Chief Scientific Officer, Zone24x7, USA  
*"Visual analytics and machine learning"*



17:10 – 18:00

**ABSTRACT PRESENTATIONS**

**Dinuka Walpola:** *MusicMate - An Emotion Based Music Suggestion System Via Machine Learning*

**Viduth Ishara:** *Wicket Keeping Technique Analysis with Deep Neural Networks and Pose Estimations*

**Deshan Sumanathilaka:** *Romanized Sinhala to Sinhala Transliteration using a Hybrid Approach*

**Shehan Jamal:** *Emotional Analysis of News Using Affective Computing and Sentimental Analysis*

**Sachin Alahakoon:** *Extended Abstract: BLock Medic – Blockchain based patient data management network*

18:00 – 18:20

**INVITED SPEECH**

**Prof. Umashanger Thayasivam:** Department Chair, Rowan University, New Jersey, USA  
*"Explainable AI- challenges and opportunities for data scientist "*



18:20 – 18:50

**AWARDS AND CERTIFICATES**

18:50 – 19:00

**VOTE OF THANKS AND CONFERENCE CLOSURE**

**Mr. Iresh Bandara:** Conference Coordinator

