

The 2023 International Conference on Advances in Computing Research (ACR'23)
Orlando, USA, May 8-10, 2023

Conference Program

Sunday, May 7, 2023

3.00-5.00 Conference Registration (Conference Registration Desk)

Monday, May 8, 2023

08.30-12.00 Conference Registration (Conference Registration Desk)

08.00-08.20 WELCOME
Professor Guillermo Francia, University of West Florida, USA
Conference Chair

ACR23-Session-1-I **Data Analytics Engineering**
08.20-10.00, May 8, 2023 (**In-person**)

Session Chair: **Karthikeyan Umamathy**
University of North Florida, USA

08.20-08.40 Community Opinion Network Maximization for Mining Top K Seed
Social Network Users
Christie Ezeife, **Mayank Semwal**
School of Computer Science, University of Windsor, Canada

08.40-09.00 Finding Insights in Florida Voter Participation
Joyner Johnson¹, Adhithyan Rangarajan², Thomas Hunt¹, Payal Agarwal¹,
Mahmoud Elbatouty¹, **Karthikeyan Umamathy**¹, Dan Richard¹, and Leah
Nash³
¹ University of North Florida, USA
² University of South Florida, USA
³ League of Women Voters of Florida, USA

09.00-09.20 Entropy in Fuzzy k-Means Algorithm for Multi-view Data
Imran Khan, Maya ALghafri, Abdelhamid Abdessalem
Department of Computer Science, College of science, Sultan Qaboos
University, Muscat, Oman

- 09.20-09.40** HealthCare Text Analytics using Recent ML Techniques
Khem Poudel, **Movin Uddin**, Revanth Kommu, Sadiat Muhammed, Nahid Hasan, and Sammi Hamdan
Middle Tennessee State University, USA
- 09.40-10.00** Emotion recognition techniques with IoT and Deep Learning technologies
Abel Méndez-Porras¹, Sixto Enrique Campaña-Bastidas², Andres Alejandro Diaz-Toro², Luis-Alexander Calvo-Valverde¹, and Rolando Rigoberto Rosero³
¹ Instituto Tecnológico de Costa Rica, Costa Rica
² Universidad Nacional Abierta y a Distancia - UNAD, Colombia
³ Centro de Investigación y Desarrollo Tecnológico en Ciencias Aplicadas - CIDTCA, Colombia
- 10.00-10.20** **BREAK**
- ACR23-Session-2-I** **Workshop on Diversified and IoT Applications of Cybersecurity**
10.20-12.00, May 8, 2023 (In-Person)
- Session Chair:** **Omar Darwish** (Workshop Chair)
Eastern Michigan University, Ypsilanti, USA
- 10.20-10.40** Utilizing Machine Learning Algorithms for effectively Detection IoT DDoS Attacks
Ala Mughaid¹, Ali Alqahtani², Shadi AlZu'bi³, Ibrahim Obaidat¹, Rabee Alqura'n¹, Mahmoud AlJamal¹, Raid AL-Marayah¹
¹Department of Information Technology, Faculty of Prince Al-Hussien Bin Abdullah for IT, The Hashemite University, Zarqa Jordan
²Department of Networks and Communication Engineering, College of Computer Science and Information Systems, Najran University, Najran, Saudi Arabia
³Computer Science Department, Faculty of Science and Information Technology, Al Zaytoonah University of Jordan, Amman, Jordan
- 10.40-11.00** Toward Secure and Efficient CNN Recognition with Different Activation and Optimization Functions
Fathi Amsaad¹, P. L. Prasanna¹, T. Pravallika¹, G. Mamatha¹, B. Raviteja¹, M. Lakshmi¹, Nasser Alsaadi², Abdul Razaque³, Yahya Tashtoush⁴
¹Computer Science Department, Wright State University, Fairborn, Ohio, USA
²Computer Science Department, Taibah University, Medina 2003, Saudi Arabia
³Department of Cybersecurity, IITU, Kazakhstan

⁴Computer Science Department, Jordan University of Science and Technology, Irbid, Jordan

11.00-11.20

A Comparative Study of Secure and Efficient Data Duplication Mechanisms for Cloud-based IoT Applications

Vishnu Vardhan Baligodugula¹, FathiAmsaad¹, Varshitha Vunnam Tadepalli¹, Vojjala Radhika¹, Yetukuri Sanjana¹, Sai Shiva¹, Supriya Meduri¹, Majdi Maabreh², Naser Alsaadi³, **Omar Darwish**⁴, Abdul Razaque⁵, Yahya Tashtoush⁶

¹Computer Science Department, Wright State University, Dayton, Ohio, USA

²Department of Information Technology, The Hashemite University, Zarqa, Jordan

³Computer Science Department, Taibah University, Medina 2003, Saudi Arabia

⁴Information Security and Applied Computing, Eastern Michigan University, Ypsilanti, USA ⁵Department of Cybersecurity, IITU, Kazakhstan

⁶Computer Science Department, Jordan University of Science and Technology, Irbid, Jordan

11.20-11.40

Ensuring Cybersecurity while Leveraging Social Media as a Data Source for Internet of Things Applications

Samar Hendawi¹, **Shadi AlZu'bi**¹, Ala Mughaid², and Nayef Alqahtani³

¹Faculty of Science and IT, Al-Zaytoonah University of Jordan, Amman, Jordan

²Department of Information Technology, The Hashemite University, Amman, Jordan

³Department of Agricultural Systems Engineering, King Faisal University, Saudi Arabia

11.40-12.00

A Survey on Drone Cybersecurity and the Application of Machine Learning on Threat Emergence

Jonathan Walatkiewicz and Omar Darwish

Information Security and Applied Computing, Eastern Michigan University, USA

12.00-01.00

LUNCH BREAK (ON YOUR OWN)

ACR23-Session-3-I **Cybersecurity Engineering + Networking and Communication**
01.20-03.00, May 8, 2023, (In-person)

Session Chair: **Mu'awiya N. AlDalaien**
Princess Sumaya University for Technology, Jordan

01.20-01.40 Open Voting Client Architecture and Op-Ed Voting for Secret Ballot Elections

Aaron Wilson¹, **Swapnoneel Roy**¹, and Debajyoti Mukhopadhyay²

¹ University of North Florida, Jacksonville FL 32246, USA

² Bennett University, Greater Noida, UP 201310, India

01.40-02.00 Detecting Spyware in Android Devices Using Random Forest
Tamara N. AlMasri, and **Mu'awiya N. AlDalaien**
Cyber Security Department, Princess Sumaya University for Technology,
Jordan

02.00-02.20 Statistical Approaches to File Fragment Analysis
Razaq Jinad, ABM Rezbaul Islam, and Narasimha Shashidhar
Sam Houston State University, Huntsville, TX 77340, USA

02.20-02.40 Analysis of Intrusion Detection Using Ensemble Stacking-Based Machine Learning Techniques in IoT Networks

Rao Naveed Bin Rais¹, Osman Khalid², Jazib-e-Nazar²¹, and
Muhammad Usman Shahid Khan²

¹Artificial Intelligence Research Center (AIRC), Ajman University, UAE

²Department of Computer Science, COMSATS University Islamabad (CUI), Pakistan

02.40-03.00 Vehicle Controller Area Network Inspection Using Recurrent Neural Networks

Kyle Stein¹, Arash Mahyari¹², and Eman El-Sheikh¹³

¹ University of West Florida, Pensacola, FL, USA

² Florida Institute For Human and Machine Cognition (IHMC), Pensacola, FL, USA

³ Center for Cybersecurity, University of West Florida, Pensacola, FL, USA

03.00-03.20 FREE SLOT

03.20-03.40 **BREAK**

ACR23-Session-4-R **Computational Intelligence + Cybersecurity Engineering**
03.40-05.20, May 8, 22023 (**Remote**)

Session Chair: **Farnaz Farid**
Western Sydney University, Sydney, Australia

03.40-04.00 A Taxonomy of Secure Data Transmission Techniques: Preventing Sybil Attacks in Vehicular Ad hoc Networks
Manmeet Kaur¹ and **Farnaz Farid**²
¹ Study Group Australia, Australia
² Western Sydney University, Sydney, Australia

04.00-04.20 **Elaf A. Shukur**¹, Auns Q. Al-Neami¹, and Furat Y. Mohsen²
¹ Biomedical Engineering Department, Al-Nahrain University, Baghdad, Iraq
² Al-Mustansiriya Collage of Medicine, Baghdad, Iraq

04.20-04.40 A Power Efficient Solution to Determine Red Blood Cell Deformation Type Using Binarized DenseNet
Md Tanzim Reza¹, Shakib Mahmud Dipto¹, Mohammad Zavid Parvez^{2,3,4,5}, Prabal Datta, Barua^{6,7,8}, and Subrata Chakraborty⁷
¹Department of Computer Science and Engineering, BRAC University, Bangladesh
² Information Technology, APIC, Melbourne, Australia
³ Information Technology, Torrens University, Melbourne, Australia
⁴ Peter Faber Business School, Australian Catholic University, Melbourne, Australia
⁵ School of Computing, Mathematics, and Engineering, Charles Sturt University, NSW, Australia
⁶ School of Business (Information System), University of Southern Queensland, Darling Heights, QLD, Australia
⁷ School of Science and Technology, Faculty of Science, Agriculture, Business and Law, University of New England, Australia
⁸ Cogninet Australia Pty Ltd, Australia

04.40-05.00 A Comparison of LSTM and GRU for Bengali Speech-to-Text Transformation
Nusrat Jahan¹, Zakia Sultana¹, **Fahim Chowdhury**¹, Sajjad Ahmed¹, Mohammad Zavid Parvez^{2,3,4,5}, Prabal Datta Barua^{6,7,8}, and Subrata Chakraborty⁷
¹ Department of Computer Science and Engineering, BRAC University, Bangladesh

² Information Technology, APIC, Melbourne, Australia

³ Information Technology, Torrens University, Melbourne, Australia

⁴ Peter Faber Business School, Australian Catholic University, Melbourne, Australia

⁵ School of Computing, Mathematics, and Engineering, Charles Sturt University, Australia

⁶ School of Business (Information System), University of Southern Queensland, Australia

⁷ School of Science and Technology, Faculty of Science, Agriculture, Business and Law, University of New England, Armidale, Australia

⁸ Cogninet Australia Pty Ltd, Australia

05.00-05.20

Enhancing the Tourism Experience using Mobile Augmented Reality: Geo-Visualization Techniques

Karishma Solanki^{1,2}, **Danish Faraz Abbasi**², Munir Hossain³, Emran Salahuddin², Shaymaa Ismail Ali⁴, Shahad Ahmed⁵

¹Study Group Australia

² Kent Institute Australia

³Westren Sydney University Australia

⁴Cihan University KRG Iraq,

⁵The University of Duhok KRG Iraq

05.20-06.20

Keynote Speech: Cybersecurity- Privacy: How Can I Protect Myself in Cyber Space? Can I Get Some Privacy Please?

Professor Levent Ertaul

California State University Easy Bay, USA

07.30-10.00

CONFERENCE DINNER

Tuesday, May 9, 2023

ACR23-Session-5-R

**Cybersecurity Engineering + Networking and Communication
08.00-10.00, May 9, 2023 (Remote)**

Session Chair:

Rao Naveed Bin Rais

Ajman University, UAE

08.00-08.20

Analysis on Malicious Intruder Threats to Data Integrity

Peter Padiet, Rafiqul Islam, and Arif Khan

School of Computing, Mathematics & Engineering, Charles Sturt University, NSW, Australia

- 08.20-08.40** Smart Grid Security: A Systematic Literature Review
Vivian Sultan, Arun Aryal, Crystal Wu, and Hector Lopez
College of Business and Economics, California State University, United States of America
- 08.40-09.00** Distributed TDMA for IoT Using a Dynamic Slot Assignment
Chahrazed Benrebbouh¹, Lemia Louail², and Sarra Cherbal¹
¹ LRSD Laboratory, Faculty of Sciences, University Ferhat Abbas Setif 1, Sétif. Algeria
² Université de Lorraine, CNRS, CRAN, F-54000 Nancy, France
- 09.00-09.20** Evaluation of Human Immune-Based IDPS Under DoS/DDoS Attacks
Farouq Aliyu¹, Tarek Sheltami², Marwan Abu-Amara¹, Mohamed Deriche³, and Ashraf Mahmoud²
¹ King Fahd University of Petroleum and Minerals, Dhahran 31261 Saudi Arabia
² Interdisciplinary Research Center of Smart Mobility and Logistics, King Fahd University of Petroleum and Minerals, Dhahran 31261 Saudi Arabia
³ Ajman University, UAE
- 09.20-09.40** Multi-Objective VNF Placement Optimization with NSGA-III
Mahmoud Bekhit^{1,2}, Ahmed Fathalla³, Esraa Eldesouky⁴, and **Ahmad Salah**^{5,6}
¹Faculty of Engineering and Information Technology, University of Technology Sydney, Sydney, Australia
²Kent Institute Australia, Australia.
³Department of Mathematics, Faculty of Science, Suez Canal University, Ismailia, Egypt.
⁴Department of Computer Science, College of Computer Engineering and Sciences, Prince Sattam Bin Abdulaziz University, Al-Kharj, Saudi Arabia
⁵ College of Computers and Informatics, Zagazig University, Egypt
⁶ College of Computing and Information Sciences, University of Technology and Applied Sciences, Ibri, Oman
- 09.40-10.00** A Review of Cybersecurity Advancements in Unmanned Aerial Vehicle
Mosladdin Mohammad Shueb, and Xiangdong Che
College of Engineering and Technology, Eastern Michigan University, USA
- 10.00-10.20** **BREAK**

ACR23-Session-6-R **Workshop on Diversified and IoT Applications of Cybersecurity**
10.20-12.00, May 9, 2023 (Remote)

Session Chair: **Yahya Tashtoush** (Workshop Chair)
Jordan University of Science and Technology, Jordan

10.20-10.40 Integrating Data-Driven Security, Model Checking, and Self-Adaptation for IoT Systems using BIP Components: A Conceptual Proposal Model
Anas ALSobeh¹, Amani Shatnawi²

¹Information Technology (ITEC) Program, School of Computing, Southern Illinois University, Carbondale, Illinois, USA

²Faculty of Information Technology and Computer Science, Yarmouk University, Jordan

10.40-11.00 Detecting Phishing Websites Based on Machine Learning Techniques
Alexander Veach and Munther Abualkibash
Eastern Michigan University, Ypsilanti, Michigan, 48197, USA

11.00-11.20 Towards Cyber Readiness Assessment in Rural Areas

Izzat Alsmadi¹, Lucy Tsado² and Camille Gibson³

¹Department of Computing and Cyber Security, Texas A&M, San Antonio, USA

²Department of Sociology, Social Work and Criminal Justice, Lamar University, Texas, USA

³College of Juvenile Justice, Prairie View A&M University, Texas, USA

11.20-11.40 Credit Card Fraud Detection Using Enhanced Random Forest Classifier for Imbalanced Data

Alsharif Hasan Mohamad Aburbeian, and Huthaifa I. Ashqar
Department of Natural, Engineering and Technology Sciences, Arab American University, Ramallah P600, Palestine

11.40-12.00 Detection of DDoS Attacks in Software Defined Networking Using Machine Learning Models

Ahmad Hamarshe, Huthaifa I. Ashqar, Mohammad Hamarsheh
Department of Natural-Engineering and Technology Sciences, Arab American University, Palestine

12.00-01.00 **LUNCH BREAK (ON YOUR OWN)**

01.00-02.20 **Panel: Current and Future Trends in Data Analytics Engineering**

Moderator: **Guillermo Francia III**, University of West Florida, USA

Panelists: **Robert Polding**, IE University, Spain
Khem Poudel, Middle Tennessee State University, USA
Karthik Umapathy, University of North Florida, USA

02.20-02.40 FREE SLOT

02.40-03.00 FREE SLOT

03.00-03.20 **BREAK**

ACR23-Session-7-I Computational Intelligence + Mobile & Cloud Computing + Posters
03.20-05.00, May 9, 2023, (In-person)

Session Chair: **Swapnoneel Roy**
University of North Florida, USA

03.20-03.40 Hybrid Capsule Network for Hyperspectral Image Unmixing and Classification
Ravi Giri¹, Dibakar Raj Pant¹, Jukka Heikkonen², and **Rajeev Kanth**³
¹ Institute of Engineering, Nepal
² University of Turku, Turku, Finland
³ Savonia University of Applied Sciences, Kuopio, Finland

03.40-04.00 An Artificial Intelligence Peer-to-Peer Car Repair Platform
Ala Saleh Alluhaidan, **Layan Alzaid**, Daniyah Aldossari, Renad alhumid,
Joud alkadi
Department of Information Systems, College of Computer and
Information Science, Princess Nourah Bint Abdulrahman University,
Riyadh, Saudi Arabia

04.00-04.20 Enhanced Not Recently Used Algorithm for Cache Memory Systems in
Mobile Computing
Amjad Gawanmeh¹, Sa'ed Abed², Sara Abdul Aziz AlAwadh², Wathiq
Mansoor¹, Shadi Atalla¹, Ahmad Alomari³, and Eric Yocam⁴
¹ Department of Electrical Engineering, College of Engineering and IT,
University of Dubai, Dubai, UAE
² Computer Engineering Department, College of Engineering and
Petroleum, Kuwait University, Kuwait

³ Department of Software Engineering and Information Technology, Ecole de Technologie Superieure (ETS), Montreal, Canada

⁴ Department of Computer and Cyber Sciences, The Beacom College, Dakota State University, South Dakota, USA

04.20-04.40

Smart Product Recommendation System

Sarah Abuhaimed, Maha Al-Jasir, Hanan Al-Juaid, **Ather Alhameidi**
School of Computer Science, Princess Nora Bint Abdulrahman University,
Saudi Arabia

04.40-05.00

Detection and Prediction of Epileptic Seizures Using Machine Learning Mode

Nouf AlFouzn, Arwa Almutairi, Sara Alwadyy, **Shatha Almutairi**,
Noore Zahra

College of Computer and Information Sciences, Princess Noura Bint
Abdulrahman University, Saudi Arabia

05.00-06.00

Keynote Speech: Data-driven Decision Support and Sector-based Optimization within Complex Reachback Process

Professor Stefan Wolfgang Pickl

DKKV, COMTESSA, Munich, Germany

Wednesday, May 10, 2023

ACR23-Session-8-R

Computational Intelligence

08.00-10.00, May 10, 2023 (Remote)

Session Chair:

Stephen Hopkins

University of West Florida, USA

08.00-08.20

Passive Operating System Fingerprinting Analysis using Artificial Intelligence Techniques

Stephen Hopkins, Ezhil Kalaimannan, Caroline John

Department of Computer Science, Hal Marcus College of Science and Engineering, University of West Florida, USA

08.20-08.40

A Highly Efficient Computer Vision Approach for Tennis Ball Retrieval with Limited Computational Power

Malek Wahidi¹, Rodrigue Imad¹, Jihad Rishmany²

¹ Computer Engineering Department, University of Balamand, Koura, Lebanon

²Mechanical Engineering Department, University of Balamand, Koura, Lebanon

08.40-09.00

Work Disability Risk Prediction with Text Classification of Medical Reports

Vili Huhta-Koivisto¹, Katja Saarela² and Jukka K Nurminen²

¹Aalto University, Finland

²University of Helsinki, Finland

09.00-09.20

Advanced Traffic Management System for Smart Cities

Mais Nijim, **Viswas Kanumuri**, Waseem Alaqqad, Hisham Albatineh
Texas A&M-Kingsville, Kingsville, Texas, USA

09.20-09.40

Explainability of Machine Learning in Work Disability Risk Prediction

Katja Saarela¹, Vili Huhta-Koivisto², Kai-Kristian Kemell¹, Jukka K Nurminen¹

¹ University of Helsinki, Helsinki, Finland

² Aalto University, Otakaari 24, Espoo, Finland

09.40-10.00

Augmented Reality for Cognitive Impairment and Dementia

Bikesh Maharjan¹, **Ali Abas Albabawat**², Razwan Mohmed Salah², Nada AlSallami³, Syed Altaf⁴, Oday Al-Jerew⁵

¹Study Group Australia, Australia.

² Department of Computer Science, University of Duhok, Duhok, KRG - Iraq

³Computer Science Department, Worcester State University, MA, USA.

⁴Kent Institute Australia

⁵Asia Pacific International College (APIC)

10.00-10.20

BREAK

10.20-11.40

Panel: Emerging Technologies in Cybersecurity

Moderator: **Kevin Daimi**, University of Detroit Mercy, USA

Panelists: **Mu'awiya AlDalaien**, Princess Sumaya University for Technology, Jordan

Sorin Soviany, National Institute for Research and Development in Informatics-ICI, Romania

Rao Naveed Bin Rais, Ajman University, UAE

11.40-12.00

FREE SLOT

12.00-01.00

LUNCH BREAK (ON YOUR OWN)

ACR23-Session-9-R

Data Analytics Engineering + Mobile and Cloud Computing
01.00-03.00, May 10, 2023 (Remote)

Session Chair:

Rajeev Kanth

Savonia University of Applied Sciences, Finland

01.00-01.20

Machine Learning Technique for Data Fusion and Cognitive Load
Classification Using an Eye Tracker

Aaron Collins, **Parthana Pillai**, Balakumar Balasingam, and Arunita
Jaekel

University of Windsor, Canada

01.20-01.40

Convolutional Neural Networks Based Classification of Mammograms
Nguyen Hoang Phuong¹, Ha Manh Toan², Dao Van Tu³, Nguyen Khac-
Dung³, Nguyen Van Thi³, Ngo Le Lam³, Anh Nguyen⁴

¹Information Technology Faculty, Thang Long University, Hanoi,
Vietnam

²Institute of Information Technology, Vietnam Academy of Science and
Technology, Hanoi, Vietnam

³Vietnam National Cancer Hospital, Vietnam

⁴Auburn University, USA

01.40-02.00

Taxonomy for an Automated Sleep Stage Scoring

Nabin Shrestha¹, Salma Hameedi², **Rami S. Alkhawaldeh**³, and Omar
Hisham Rasheed Al-Sadoon⁴

¹ Study Group Australia, Australia

² Department of Computer Engineering, University of Technology,
Baghdad, Iraq

³ Department of Computer Information Systems, The University of
Jordan, Jordan

⁴ Al Iraqia University, Baghdad, Iraq

02.00-02.20

A Comparative Analysis of Performance and Usability on Serverless and
Server-Based Google Cloud Services

Anoop Abraham, Jeong Yang

Department of Computing and Cyber Security, Texas A&M University,
San Antonio, USA

02.20-02.40 A Light-Weight Real-Time Anomaly Detection Framework for Edge Computing
Rawan Sanyour, Manal Abdullah, Salha Abdullah
Information Systems Department, Faculty of Computing and Information Technology, King Abdul Aziz University, Jeddah, Saudi Arabia

02.40-03.00 Mobility-Aware Workload Distribution and Task Allocation for Mobile Edge Computing Networks
Aristeidis Karras¹, Christos Karras¹, **Anastasios Giannaros¹**, Dimitrios Tsolis², and Spyros Sioutas¹
¹ Computer Engineering and Informatics Dept., University of Patras, Patras, Greece
² Department of History and Archaeology, University of Patras, Patras, Greece

03.00-03.20 BREAK

ACR23-Session-10-R **Data Analytics Engineering + Mobile and Cloud Computing**
03.20-05.00, May 10, 2023 (**Remote**)

Session Chair: **Razwan Mohmed Salah**
University of Duhok, Iraq

03.20-03.40 Comparing Ensemble Learning Techniques on Data Transmission Reduction for IoT Systems
Ahmad Salah^{1,2}, **Mahmoud Bekhit^{3,4}**, Asma M. Alkalbani², Mohamed A. Mohamed⁵, Nur I. Lestari³, and Ahmed Fathalla⁶
¹Computer Science Department, Faculty of Computers and Informatics, Zagazig University, Zagazig, Egypt.
²Information Technology Department, College of Computing and Information Sciences, University Of Technology and Applied Sciences, Sultanate of Oman.
³Faculty of Engineering and Information Technology, University of Technology Sydney, Sydney, Australia.
⁴Kent Institute Australia, Australia.
⁵2P Perfect Presentation, Riyadh, Saudi Arabia.
⁶Computer Science Department, Faculty of Computers and Informatics, Suez Canal University, Ismailia, Egypt.

03.40-04.00 Comparative Analysis: Recommendation Techniques in E-Commerce
Waleed Ibrahim^{1,2}, Binaya Subedi³, Sabreena Zoha⁴, Abdussalam Ali⁵, Emran Salahuddin⁶

- ¹ Central Queensland University, Australia
² The University of Sydney Business School, Australia
³ Study Group Australia, Australia
⁴ Western Sydney University, Australia
⁵ Asia Pacific International College (APIC), Australia
⁶ Crown Institute of Higher Education

04.00-04.20

Supervised learning-based Indoor Positioning System Using WiFi Fingerprints

Basem Suleiman¹, **Ali Anaissi**¹, Yuhuan Xiao¹, Waheeb Yaqub¹, Anuradha Samkham Raju², and Widad Alyassine¹

¹ School of Computer Science, The University of Sydney, Australia

² Victorian Institute of Technology, Sydney, Australia

04.20-04.40

Cloud Resources Usage Prediction using Deep Learning Models

Muhammad Johan Alibasa¹, Basem Suleiman², Abubakar Bello³, Ali Anaissi², Qijing Yan², and Shulei Chen²

¹ School of Computing, Telkom University, Indonesia

² School of Computer Science, University of Sydney, Australia

³ School of Social Sciences, Western Sydney University, Australia

04.40-05.00

Taxonomy of Green Mobile Cloud Computing for Multimedia Applications

Farhad Ahamed¹, Farnaz Farid¹, Ahmed Dawoud²

¹ Western Sydney University, Sydney, Australia

² University of South Australia