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K3: K3: Plenary/Keynote: Systemic Machine Learning and classification systems. (Real-life applications)

Title of Talk: Systemic Machine Learning and classification systems. (Real-life applications)
Dr. Parag Kulkarni, CEO and Chief Scientist, EKLaT, Pune, India

How we can make system intelligent to handle real life problems like water management, energy management and traffic management? How can we solve some of the pressing problems where we want system to learn from multiple inputs? How to make system to classify in dynamic scenario? These are some of the key questions those will be discussed during this talk. We need our Machine Learning to be systemic. We need it is to be adaptive and incremental. What is systemic Machine Learning? This talk will focus on different aspects of systemic ML while stressing on its need. Another aspect of this talk is description of knowledge innovation and practical aspects regarding building such a systemic machine learning solution. The talk will describe some of such systems and products with case studies. This talk will focus on building intelligent products and solutions with systemic classification and Machine Learning techniques.

Demo-I: Demo-I: Raksha SafeDrive - India's First Smart Road Safety Platform

Demo Title: Raksha SafeDrive - India's First Smart Road Safety Platform.

Speaker: Mr. Prasad Pillai, CEO & Co-Founder, Raksha SafeDrive, Technopark, Trivandrum

Description of Product:

The Smart platform involves a SafeDrive - An Internet of Things (IoT) car gadget connected to RakshaNet - A network of emergency services. SafeDrive is a tamperproof standalone device capable of automatic crash detection, GPS tracking, two-way voice communication, reporting basic telemetrics and driver performance evaluation. RakshaNet is a network of road emergency services (ambulance, police, fire, roadside assistance, notification to family etc.) accessible at the touch of a button from SafeDrive. Our goal is to revolutionize how Indians call for help and how India responds to road emergencies. For more information please visit www.RakshaSafeDrive.com.

C: Cultural Program followed by Banquet Dinner

Demo-II: Demo-II: miBEAT -Biomedical Engineering Application Toolkit : An Innovative Platform to Obtain Medical Grade Physiological Signals over Android Phones

miBEAT - Biomedical Engineering Application Toolkit : An Innovative Platform to Obtain Medical Grade Physiological Signals over Android Phones
Abhinav, MD and CEO of Cardea Biomedical Technologies (P) Ltd., New Delhi

miBEAT (www.mibeat.co) is an innovative platform used to learn and develop systems for obtaining Medical Grade signals in real time over Smart Phones. Designed for Electronics, Biomedical, Signal Processing and Computer Science Engineering students, Researchers and Faculties, one can learn to obtain High Definition Noise-free Signals from 2 or 3 electrodes and also by mere touch! Developed by Cardea Labs with the support of Dept of Scientific and Industrial Research, Govt. of India, Dept of Biotechnology, Govt of India and through the collaborating universities of US and India, Cardea Labs has garnered a lot of accolades in the recent past which includes the prestigious WIRED (UK) which chose Cardea Labs as one of the top 5 Healthcare Startups from East. The system has also been tested against the Gold Standard at AIIMS, New Delhi. The device has been showcased at IEEE HealthCom - 2015 at Boston and at NIH-IEEE Strategic Conference on Healthcare Innovations and Point-of-Care (POC) Technologies for Precision Medicine at Maryland this year. Universities use miBEAT to set up Research Labs and also establish Center-of-Excellence in Signal Processing and Instrumentation to design and develop systems in the area of m-health, tele-medicine and Internet of Things in Healthcare.

K7: K7: Plenary/Keynote: Challenges in MMOGs Development and Security

Title of Talk: Challenges in MMOGs Development and Security

Prof. Abdennour El Rhalibi, Professor of Entertainment Computing, Head of Strategic Projects, Head of Computer Games Technology Group, School of Computing and Mathematical Sciences, Liverpool John Moores University, United Kingdom

The development of a modern MMOG is a challenging and costly process. MMOG are very large distributed applications, sharing very large states, and supporting communication between potentially thousands of player nodes. Despite the development of many solutions to define suitable architecture and communication protocols and enabling efficient deployment of these types of applications, many issues remains which still require a solution. In this talk we will discuss the issues relating to scalability in MMOGs and some of the main design choices that must be made when constructing a scalable MMOG including Load Balancing, Area of Interest Management (AoIM) schemes and the distribution and communication protocol which are to be applied. We introduce an updated survey of the state-of-the-art of AoIM and Load Balancing in Online Games. We identify keys issues in the development and deployment of such architectures and systems, and we analyze the main features of the state-of-the-art of existing solutions. The talk will provide a novel perspective in understanding the limitations of existing solutions and discussing the design criteria for an alternative approach to alleviate scalability, communication and security issues.

K1: K1: Plenary/Keynote: A Secure Data Sharing and Query Processing Framework via Federation of Cloud Computing

Title of Talk: A Secure Data Sharing and Query Processing Framework via Federation of Cloud Computing

Prof. Sanjay K Madria, Professor and Associate Chair for Research, Department of Computer

Science, Missouri University of Science and Technology, USA

Due to cost-efficiency and less hands-on management, data owners are outsourcing their data to the cloud, which can provide access to the data as a service. However, by outsourcing their data, the data owners lose control and privacy, as the cloud provider becomes a third party service provider. At first, encrypting the data by the owner and then exporting it to the cloud seems to be a good approach to preserve the privacy. However, there is a potential efficiency problem with the outsourced encrypted data when the data owner revokes some of the users' access privileges. An existing solution to this problem is based on symmetric key encryption scheme but it is not secure when a revoked user rejoins the system with different access privileges for the same data record. In this talk, I will discuss an efficient and Secure Data Sharing (SDS) framework using a homomorphic encryption and proxy re-encryption scheme that prevents the leakage of unauthorized data when a revoked user rejoins the system. I will also discuss modification to the underlying SDS framework and present a new solution based on the data distribution technique to prevent the information leakage in the case of collusion between a revoked user and the cloud service provider. A comparison of the proposed solution with existing methods is provided in detail. Furthermore, I will demonstrate how the existing work can be utilized in the proposed framework to support secure query processing. I will provide a detailed experimental analysis of the proposed framework on Amazon EC2 and discuss its practical relevance.

K2: K2: Plenary/Keynote: The IoT Landscape: A New IT Goldmine for Everyone

Title of Talk: The IoT Landscape: A New IT Goldmine for Everyone

Prof. San Murugesan, Editor-in-Chief at IEEE IT Professional magazine, Director at BRITE Professional Services, Adjunct Professor at University of Western Sydney, Australia

The emerging the Internet of Things (IoT) landscape is transformative and vast and presents huge potential. 'Things' such as cars, sensors, controllers, TVs, machinery, electrical appliances and more will become smarter and be connected to others through the Internet. The sensing and control capabilities of things together with the ability to share, integrate and analyse data they generate facilitates deployment many new applications and services that were unimaginable till recently. The IoT is poised to reengineer and transform everything -- business, industry, healthcare, and personal and social life - again, as computers, mobile devices and the Internet have done. This talk will present a panoramic view of the emerging IoT landscape and its five key segments and discuss its potential. It'll then highlight a few application scenarios and outline the challenges, issues and barriers facing the realization of its potential. Finally, it will discuss the skills set required to master the IoT landscape and outline a research agenda to work on.

K4: K4: Plenary/Keynote: The Mobile Architectures: Current state and future trends

Title of Talk: The Mobile Architectures: Current state and future trends

Dr. Sougata Mukherjea, Chief Technologist, GTS Mobility Services, IBM India Research Lab, New Delhi, India

It's no secret that mobile has fundamentally changed the ways that we live, work and play. Mobility is bringing to light important new features and functions required by the mobile workforce. Mobile is having a huge impact on enterprise IT; the mobile world operates at speeds that make old paradigms for application development, security and infrastructure obsolete. As with earlier major transformative shifts in enterprise technology, a proliferation of implementation options and deployment topologies can make the adoption of mobile capabilities a challenge. In this talk I will present an architecture for mobile computing that has evolved based on numerous successful enterprise deployments. I will describe its main features and highlight some of its key differences with traditional architectures. I will end that talk by discussing some of the future trends in mobility that will have an effect on the architecture.

K5: K5: Plenary/Keynote: The Network Security Challenge: protecting from the unknown

Title of Talk: The Network Security Challenge: protecting from the unknown
Dr. Christian Callegari, Dept. of Information Engineering, University of Pisa, Italy

Due to cost-efficiency and less hands-on management, data Network security is more challenging than ever as the IoT is becoming a reality. The IoT includes everything from wearable fitness bands and smart home appliances to factory control devices, medical devices and even automobiles. Unfortunately security has not been a high priority design requirement for these devices until now. As a results, several new kinds of attacks are emerging, posing serious problems even to the user life. Hence, the need for designing and putting in place automated attack detection techniques, namely anomaly detection techniques, also able to tackle with novel and zero-day attack, is emerging as a hot topic. Nonetheless, most of the literature in the field is still focused on detailing the theoretical aspects of a given method or approach, without providing any insights on the problems that arise from the application of the discussed method in a "real world network" scenario. Starting from this motivation, the objective of the keynote is to present some of the most recent attacks against the IoT, demonstrating why the users must care about the security if their devices and to describe some of the most promising anomaly detection methods, while simultaneously discussing their general limitations.

T1: T1-Tutorial: Computer Aided Diagnosis using Multiple Instance Learning

Title of Tutorial: Computer Aided Diagnosis using Multiple Instance Learning
Dr. Kumar Rajamani, Architect, Robert Bosch, Bangalore

Abstract: This talk would present the motivation for Multiple Instance Learning/Weak Supervision. The applications of Weak Supervision in computer aided diagnosis and in medical applications would be highlighted. The algorithm steps for Multiple Instance Learning would then be presented. miGraph algorithm which is currently the best performing MIL algorithm for medical application would be the focus of the presentation. Finally the performance of miGraph on couple of medical applications would be shared.

Tutorial Outline:

Brief Motivation for Multiple Instance Learning - Availability of plenty of Noisy Label data
Computer Aided Diagnosis Applications using Multiple Instance Learning - Barrets Cancer and Diabetic Retinopathy
Overview of the Multiple Instance Learning Algorithms
Brief Description and Hands on Sessions for Feature Extraction Methods
miGraph Algorithm - Few Hands on Examples of mi-Graph applications
Application of miGraph for computer assisted medical diagnosis - Few case studies

T2: T2-Tutorial: End-to-End Provisioning in Software Defined Data Center (SDDC)

Title of Tutorial: End-to-End Provisioning in Software Defined Data Center (SDDC)
Hemant Kumar Rath, Shameemraj M Nadaf, Anantha Simha, TCS Networks Lab, Bangalore, Karnataka, India

Abstract: These days, quick and easy deployment of services/applications for on-demand, pay-per-use, short-term basis etc., are becoming the need of the hour. Software Defined Data Center (SDDC) framework in which network, storage and compute are virtualized and delivered as services is becoming the key enabler for this. This is in contrast to traditional Data Centers (DCs) where the infrastructure is typically defined by hardware devices. Experts predict that SDDC has the strength to revolutionize the cloud computing and virtualization. In addition, SDDC can also bring advantages in terms of scalability, affordability and its ease of use, ranging from a small scale user to a large scale enterprise.

The recent trends in IT industry are gradually moving away from commodity infrastructure based model of procuring, deploying and maintaining the hardware resources to a service based model such as Infrastructure as a Service (IaaS) which can be agile in nature and readily available. Optimal utilization of the infrastructure by means of virtualization technologies is being preferred. Therefore, cloud provisioning systems combined with virtualization technologies are gaining traction for both private and public clouds. The cloud provisioning platform has to basically provision the compute, storage and network resources as per the demands of application servers (web, application, database, etc.). While addressing the basic needs of these services, bandwidth, isolation, security, high availability etc., have to be addressed by the cloud provisioning platform dynamically. Currently, there are various commercial and open source cloud provisioning solutions available such as Amazon EC2, Windows Azure, Apache CloudStack, OpenStack etc. It is observed that, current trends are moving from a proprietary product based solutions to agile open source based solutions involving open source software stacks, partnerships and community efforts. Enterprises themselves are willing to support and grow business by deploying solutions built on open source software.

Intended Audience

Since SDDC is becoming a reality for both the telecom networks and enterprise networks, clear and thorough understanding of the associated technologies and methodologies will be of great benefit to students, young researchers, academicians and industry participants. Moreover,

with advancements of the technologies and hyper growth observed, there is a lot of scope for conducting research at academics and industry levels. Therefore, we feel that this tutorial will be very relevant with respect to the scope of the conference.

K6: K6: Plenary/Keynote: Mobile Payments - A Growing Threat and How Machine Learning Can Help

Title of Talk: Mobile Payments - A Growing Threat and How Machine Learning Can Help
Dr. Dinesh Garg, IBM India Research Lab, Bangalore

Outline: Mobile Payments is an emerging service which allows mobile phone users to transfer money in an instantaneous manner to other users/merchants merely by a press of button on their mobile phones. Typically, this service does not involve any bankers in the loop and hence is a perfect solution to boost trades and commerce activities in countries where banking infrastructure is very poor. The business of mobile payment services is growing at an unprecedented rate worldwide. However, the bad news is that this service is susceptible to various kinds of fraudulent attacks and is also an easy gateway for money laundering/terrorist financing activities. In this talk, we uncover some of these challenges faced in practice while designing such a service and possible ways to tackle them by leveraging machine learning techniques.

CoCoNet-S1: S1: CoCoNet'15 - Best Paper Session-I

CoCoNet-S1.1 Ubiquitous Fall Detection Through Wireless Channel State Information

Saurabh Maheshwari (Govt. Women Engineering College Ajmer & Student Member IEEE, India); Anil Tiwari (IIT Jodhpur, India)
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CoCoNet-S1.2 Policy-based Monitoring and Energy Management for NFV Data Centers

Ram (Ramki) Krishnan (Dell & JnanaEdge, USA); Tim Hinrichs (Styra, USA); Dilip Krishnaswamy (IBM Research, India); Ruby Krishnaswamy (Orange Labs, France)
pp. 10-17

CoCoNet-S1.3 GPGPU Implementation of Information Theoretic Algorithms for the Analysis of Granular Layer Neurons

Manjusha Nair (Amrita School of Biotechnology, Amrita Vishwa Vidyapeetham, India); Prasanth Madhu (Amrita University, India); Arathi Rajendran (Amria University, India); Vyshnav Mohan (Amrita University, India); Bipin Nair and Shyam Diwakar (Amrita Vishwa Vidyapeetham (Amrita University), India)
pp. 18-26

CoCoNet-S1.4 Deployment of Wireless Sensor Network for Radiation Monitoring

Jemimah Ebenezer (Indira Gandhi Centre for Atomic Research, India); S.A.V. Satya Murty (IGCAR, India)
pp. 27-32

CoCoNet-S1.5 Oracle Model to Validate Shoulder-Surfing Resistance of Virtual Keyboards
Ariharan V (Central Research Laboratory & Bharat Electronics Limited, India)
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CoCoNet-S2: S2: CoCoNet'15- Best Paper Session-II

Ring Connected Binary Tree A Structured and Scalable Architecture for NOC Based Systems

Sanju Pillai (NMIT, Yelahanka, Bangalore, India); Niranjana Chiplunkar (NMAMIT, India)
pp. 41-49

Adaptation of Multi-domain Corpus Learned Seeds and Polarity Lexicon for Sentiment Analysis

Swati M. Sanagar and Deepa Gupta (Amrita Vishwa Vidyapeetham, India)
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Brain-inspired Method for Constructing a Robust Virtual Wireless Sensor Network

Shinya Toyonaga, Kominami Daichi and Masayuki Murata (Osaka University, Japan)
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Modelling and Implementation of Two Coupled Hodgkin-Huxley Neuron Model

Sunitha Ramachandran (Amrita Vishwa Vidyapeetham, India); Dhanya Eledath (Amrita Vishwa Vidyapeetham, India); N Pradhan (NIMHANS, Bangalore, India); A Sreedevi (VTU, India)
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CoCoNet-S3: CoCoNet-S3: MANET, VANET, WSN and Social Networks (Regular Papers)

Energy Efficient Deployment of Wireless Sensor Network by Multiple Mobile Robots

Rajesh M (Amrita School of Engineering & Amrita Vishwa Vidyapeetham Bengaluru Campus, India); Anu George (Amrita School of Engineering, India); Sudarshan Tsb (Amrita Vishwa Vidyapeetham University & School of Engineering, India)
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Low Energy Fixed Clustering Algorithm (LEFCA) for Wireless Sensor Networks

Korhan Cengiz (Trakya University, Turkey); Tamer Dag (Kadir Has University, Turkey)
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Performance Analysis of Zigbee for Energy Transmission Monitoring in Smart Grids

Anitha Varghese (ABB Research, India); Hariram Satheesh (ABB, India); Simi P Valsan (ABB GISL, India); Greeshma Shekaran (NIT Calicut, India)
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Adopting FEC and Packet Combining to Increase the Performance of IWSNs Using Relaying

Svetlana Girs, Elisabeth Uhlemann and Mats Björkman (Malardalen University, Sweden)
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A Computational Geometric Approach for Overlapping Community (Cover) Detection in Social Network

Sumithra Vs (Sree Chitra Thirunal College of Engineering, Trivandrum, Kerala, India, India); Subu Surendran (Sree Chitra Thirunal College of Engineering Trivandrum, Kerala, India, India)
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Development and Analysis of Wireless Mesh Networks with Load-balancing for AMI in Smart Grid

A Robertsingh (Kalsalingam University, Anand Nagar, Virudhunagar, Tamilnadu, India); Durairaj Devaraj (Kalasalingam University, India); R Narmathabanu (Velammal College of Engineering and Technology, Madurai, Tamil Nadu, India)
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Positive Influence Dominating Set Generation in Social Networks

Akshaye Dhawan and Matthew Rink (Ursinus College, USA)
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New Approaches for Discovering Unsupervised Human Activities by Mining Sensor Data

Bhadrachalam Chitturi (Department of Computer Science and Engineering Amrita Vishwa Vidyapeetham, Amritapuri, Kollam, Kerala, India, USA); Jyothi Thomas and Indulekha T S (Amrita Vishwa Vidya Peetham, Amritapuri, Kollam, India)
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Economic Access Network Selection in Heterogeneous Wireless Networks Environment

Firmin Mah (ETS, University of Quebec, Canada); Zbigniew Dziong (École de technologie supérieure, University of Quebec, Canada); Jean-Charles Grégoire (University of Quebec, INRS, Canada)
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Wireless Sensor Network Deployment Using Stochastic Optimization Techniques - A Comparative Study

Dina Deif and Yasser Gadallah (The American University in Cairo, Egypt)
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Data Aggregation for Pest Identification in Coffee Plantations Using WSN: A Hybrid Model

Roshan Zameer Ahmed (Reva Institute of Technology and Management, India); Rajashekhar Biradar (Reva University, India)
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Cooperative Game Theoretic Approach for Job Scheduling in Cloud Computing

Alaka Ananth (The National Institute of Engineering, Mysore, India); Chandra Sekaran K (National Institute of Technology Karnataka, India)
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CoCoNet-S8: CoCoNet-S8: Network Security and Privacy (Regular Papers)

CoCoNet-S8.1 On the Combined Use of Sketches and CUSUM for Anomaly Detection

Christian Callegari, Stefano Giordano and Michele Pagano (University of Pisa, Italy)
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CoCoNet-S8.2 Cyber Security Attacks on Network with Transition Mechanisms

Shaneel Narayan (Unitec New Zealand, New Zealand); Salman Ishrar, Ruchinav Gupta, Avinesh Kumar and Ziafil Khan (Unitec Institute of Technology, New Zealand)
pp. 163-169

CoCoNet-S8.3 Cyber Attack Thread: A Control-flow Based Approach to Deconstruct and Mitigate Cyber Threats

Koustav Sadhukhan (Defence Research & Development Organization, Ministry of Defence, GOI, India); Arvind Mallari Rao (Defense Research & Development Organisation, Ministry of Defence, GOI, India); Tarun Yadav (Scientific Analysis Group, Defence Research & Development Organisation, Ministry of Defence, GOI, India)
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CoCoNet-S8.4 Unusual Internet Traffic Detection At Network Edge

Neha Bansal (IGDTUW, India); Rishabh Kaushal (Indira Gandhi Delhi Technical University for Women, India)
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CoCoNet-S8.5 Analyzing the Impact of Selfishness on Probabilistic Routing Algorithms in Delay Tolerant Networks

C Sobin (IIT Roorkee, India)
pp. 186-190

CoCoNet-S8.6 Personal Authentication Using Partial Palmprint and Palmvein Images with Image Quality Measures

Gayathri R Nayar and Anusree Bhaskar (CUSAT, India); Leshmi Satheesh (University of Kerala, India); Parvathy Kumar (Kerala University, India); Aneesh Raghavan Parameswaran (M G University, Kottayam & Regional Centre IHRD, India)
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CoCoNet-S8.7 Privacy Preserving Smart Grid Communications by Verifiable Secret Key Sharing

Antonella Barletta, Christian Callegari, Stefano Giordano, Michele Pagano and Gregorio Procissi (University of Pisa, Italy)

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CoCoNet-S8.8 A Survey of Security Frameworks Suitable for Distributed Control Systems

Elena Lisova and Elisabeth Uhlemann (Malardalen University, Sweden); Wilfried Steiner (TTTech Computertechnik AG, Austria); Johan Åkerberg and Mats Björkman (Malardalen University, Sweden)

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CoCoNet-S8.9 A Distributed Cloud-based Service Recommendation System: Design and Implementation

Ivan Ganchev and Zhanlin Ji (University of Limerick, Ireland); Máirtín O'Droma (University of Limerick & Director, Telecommunications Research Centre, University of Limerick, Ireland)

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CoCoNet-S8.10 Multi-Cloud Resource Provisioning with Aneka: A Unified and Integrated Utilisation of Microsoft Azure and Amazon EC2 Instances (invited paper)

Rajkumar Buyya (University of Melbourne, Australia); Diana Barreto (The University of Melbourne, Australia)

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CoCoNet-S4: CoCoNet-S4: Computer Vision, Image Processing, Machine Learning and Pattern Recognition (Regular Papers)

CoCoNet-S4.1 SpokenWord Identification for Malayalam Using Artificial Neural Network

Maya Moneykumar (Indian Institute of Information Technology and Management & Indian Institute of Information Technology and Management, India); Sherly Elizabeth (IIITM-K, Technopark, Trivandrum, India)

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CoCoNet-S4.2 Automatic Detection of Telugu Single and Multi-Character Text Blocks in Handwritten Words

Shobha Rani, N (Amrita Vishwa Vidyapeetham & Maharaja Research Foundation, India); Vasudev T (Maharaja Institute of Technology, India)

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CoCoNet-S4.3 HMDSAD: Hindi Multi-Domain Sentiment Aware Dictionary

Vandana Jha, Savitha R and Sudhashri Hebbar (UVCE, India); P Deepa Shenoy and Venugopal Kuppanna Rajuk (University Visvesvaraya College of Engineering, India)

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CoCoNet-S4.4 Performance Evaluation of Multi-Focus Image Fusion Techniques

Gottipati Madhuri (JNTUK, India); Hima Bindu (QISCET, India)

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CoCoNet-S4.5 Random Sample Measurement and Reconstruction of Medical Image Signal Using Compressive Sensing

Lakshminarayana M (VTU, Belgaum, India); Mrinal Sarvagya (REVA University, Bangalore, India)
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CoCoNet-S4.6 Edge Detection Technique Used for Identification of Cracks on Vertical Walls of the Building

Jitesh J. Dhule, Sudhanshu S. Gonge and Neelam B. Dhurpate (Savitribai Phule Pune University & KJ's Trinity College of Engineering and Research Pune., India); Gauri M. Kandalkar (KJ's Educational Institute, Trinity Polytechnic. Pune., India)
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CoCoNet-S4.7 A Fuzzy Classifier Using Continuous Automata

Jerry Zachariah and Abdul Nizar (College of Engineering Trivandrum, India)
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CoCoNet-S4.8 FPGA Implementation of Learning for Online System Identification

Ravikant Biradar (INDIA & PESIT, India); Abhishek Chatterjee (PES Centre for Intelligent Systems, PESIT, India); Koshy George (PES Institute of Technology & PES Centre for Intelligent Systems, India); Prabhakar Mishra (PES Institute of Technology, Bangalore & PES Centre for Intelligent Systems, India)
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CoCoNet-S4.9 Quantum Walk Based Genetic Algorithm for 0-1 Quadratic Knapsack Problem

Pitchai Arish and Reddy A v (National Institute of Technology Tiruchirappalli, India); Savarimuthu Nickolas (National Institute of Technology, Tiruchirappalli, India)
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CoCoNet-S4.10 Rethinking JavaScript Loops as Combinators

Prashant Singh and Rejo Mathew (SVKMS NMIMS MPSTME, India); Veerdhwaj Singh (SVKMS NMIMS MPSTME, Mumbai, India)
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CoCoNet-S5: CoCoNet-S5: Adaptive Systems and Signal Processing (Regular Papers)

CoCoNet-S5.1 Uplink One-tone Filtered Multitone Modulation Transmission for Machine Type Communications (invited paper)

Guanping Lu (Shanghai Jiaotong University, P.R. China); Jinsong Wu (Universidad de Chile, Chile); Jun Wang (Tsinghua University, Puerto Rico)
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CoCoNet-S5.2 Regression Based Prediction Algorithm for Remote Controlling of IoT Based Applications

Satyavrat Wagle (Vishwakarma Institute of Technology, India); Tejas Sathe (University of Pune, India); Anand Gaikawai (Pune University, India); Gandhar Vamburkar (University of Pune, India)
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CoCoNet-S5.3 Aggregate Interference From White Space Devices Into Digital Television Systems

Mauro Lima and Jose Mauro Fortes (Pontifical Catholic University of Rio de Janeiro, Brazil)
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CoCoNet-S5.4 FPGA Implementation of Reconfigurable Frequency Demodulators

Senthil Kumar E (Karunya University, India); Santosh Kumar (PES Institute of Technology, India); Manikandan J (PES University (PESU), India); Agrawal VK (Director- CORI, PESIT, India)
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CoCoNet-S5.5 Multiple Mixer Based Multi Cycle Layer Composition for Power Efficient Display Pipeline

Shubham Pateria, Aseem Saxena and Krishna Jha (Samsung R & D Institute India, Bangalore, India)
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CoCoNet-S5.6 A Two Step Hybrid Method for Loop Topology Estimation of Two Wire and Power Lines

Ravishankar Sankaranarayanan (RV College of Engineering, India); Arjun Ravishankar (Qualcomm Technologies Inc., USA)
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CoCoNet-S10: CoCoNet-S10: Symposium on Emerging Topics in Computing and Communications (SETCAC'15) - Regular Papers

CoCoNet-S10.1 Pipelined Implementation of High Radix Adaptive CORDIC as a Coprocessor

Saharsh Oza (National Institute of Technology Karnataka Surathkal, India); Ankit Shah (National Institute of Technology Karnataka Surathkal & Graduate Engineer at ARM Embedded, India); Tarun Thokala (National Institute of Technology Karnataka Surathkal, India); Sumam David (National Institute of Technology Karnataka, India)
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CoCoNet-S10.2 Electrocardiogram Signal Enhancement Using an Efficient Sign Regressor Error Normalized Variable Step Size Adaptive Algorithm

Thumbar Gowri (GITAM University, India); P. Rajesh Kumar (Andhra University, India)

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CoCoNet-S10.3 Cloud Forensic Investigation: A Sneak-Peek Into Acquisition

Bksp Kumar Raju (BITS Pilani Hyderabad, India); Meera G (Birla Institute of Technology and Science Pilani, India); Geethakumari G (BITS-Pilani, Hyderabad Campus, India)

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CoCoNet-S10.4 Generalized and Constraint Specific Composite Facial Search Model for Effective Web Image Mining

Kapil Juneja (IEEE Member, India)

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CoCoNet-S10.5 Secure Transmission of Data by Splitting Image

Jitha T (University Of Calicut, India); E Sivadasan (University of Calicut, India)

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CoCoNet-S10.6 Secure and QoS Aware Architecture for Cloud Using Software Defined Networks and Hadoop

Abhijeet Desai (PESIT, India); Ninikrishna T (CMRIT, Bangalore Visvesvaraya Technological University & RVCE, Bangalore Visvesvaraya Technological University, India); Nagegowda S (PESIT, India)

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CoCoNet-S6: CoCoNet-S6: Cloud Computing/Wireless Communications (Short Papers)

CoCoNet-S6.1 IGSK: Index Generation on Split Keyword for Search Over Cloud Data

Raghavendra S (UVCE, India); Girish S (Bangalore University, India); Geeta Mara (UVCE, India); Rajkumar Buyya (University of Melbourne, Australia); Venugopal Kuppanna Rajuk (University Visvesvaraya College of Engineering, India); Sitharama Iyengar (Florida International University, USA); LM Patnaik (Indian Institute of Science, India)

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