4TH INTERNATIONAL CONFERENCE AND BUSINESS EXPO ON

# WIRELESS, TELECOMMUNICATION & IOT

JUY 19-20, 2018 LONDON, UK

*Theme: "Journey of Wireless & Telecommunication Technology Towards the Smart World"*



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops | Exhibitors | B2B Meetings

## ***For available speaker slots***

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# Glimpses of Wireless Conferences
































# Glimpses of Wireless Conferences




































# Major Scientific Sessions

- 5G and Beyond
- Wireless Communication
- Telecommunication
- Internet of Things (IoT)
- Cloud Computing
- Technology for Wireless
- Artificial Intelligence
- Ad Hoc and Sensors Networks
- Mobile and Wireless Network
- Satellite Communication
- Space Communications and Navigation
- 3G & 4G
- Big Data

## Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



## Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries
**wireless@enggconferences.com**

# Conference Venue

London, UK


**Contact us**
**UK: Conference Series llc LTD**
**Wireless 2018**
47 Churchfield Road, London, W3 6AY, UKOffice:
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## Program at A Glance

### Day 1

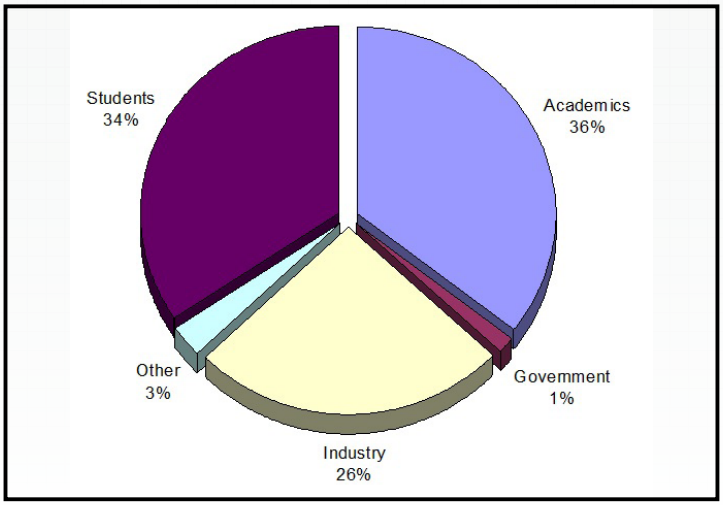
| | | | |
|---|---|---|---|
| Morning Sessions | Reception/Registration | 08.00-09.00 | |
| | | Time | General Session |
| | Least of 3 Keynote/Plenary Talks | 09.00-09.15 | Inaugural Address |
| | | 09.15-09.45 | Keynote/Plenary Talk 1 |
| | | 09.45-10.15 | Keynote/Plenary Talk 2 |
| | | 10.15-10.45 | Keynote/Plenary Talk 3 |
| | Panel Discussions/Group Photo | | |
| | **Coffee/Tea Break 10.45-11.00 (Networking)** | | |
| | 11.00-12.40 | 5G and Beyond (5 slots available with 20 mins each) | |
| Evening Sessions | | | |
| | **Lunch Break 12.40-13.30** | | |
| | 13.30-15.30 | Telecommunication & Wireless Communication | |
| | | | |
| | **Coffee/Tea Break 15.30-15.45 (Networking)** | | |
| | 15.45-17.25 | Wireless Communication & Workshop slot available | |

### Day 2

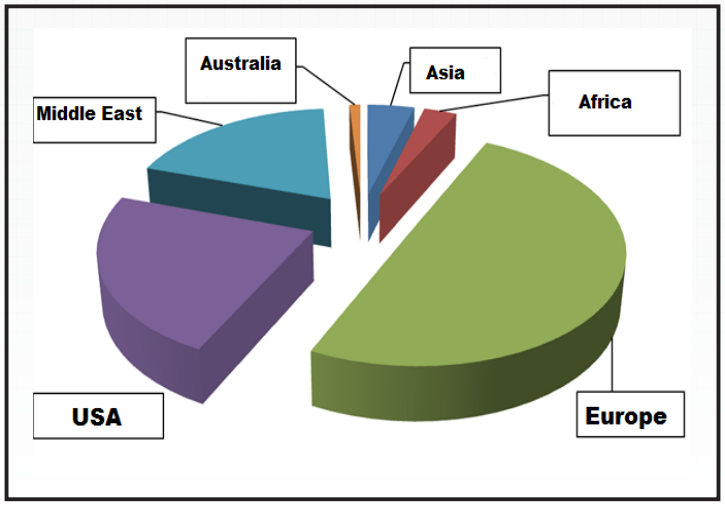
| | | | |
|---|---|---|---|
| Morning Sessions | Time | Session 1 | Session 2 |
| | 09.00-10.40 | Young Research Forum | Internet of Things (IoT) |
| | | | |
| | **Coffee/Tea Break 10.40-10.55 (Networking)** | | |
| | 10.55-12.35 | Cloud Computing | Big Data |
| | | | |
| | **Lunch Break 12.35-13.25** | | |
| Evening Sessions | 13.25-17.05 | 4G & 3G | Technology for Wireless |
| | Ad Hoc and Sensor Networks & Mobile and Wireless Networks | | |
| | **Awards & Closing Ceremony** | | |

**NOTE: Program Shedule is subject to change with final allotment of the speaker slots**

## Demographical Representation of Wireless, Telecommunication & IoT-2018




## Geographical Representation of Wireless, Telecommunication & IoT-2018



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# 4th International Conference Wireless, Telecommunication & IoT

July 19-20, 2018 | London, UK

AGENDA

## An Efficient Channel Estimation for Massive MIMO applied to 5G Systems

**Mario Marques da Silva**

Universidade Autónoma de Lisboa and Instituto de Telecomunicações, Portugal

Mário Marques da Silva is an Associate Professor and the Director of the Department of Sciences and Technologies at Universidade Autónoma de Lisboa. He is also a Researcher at Instituto de Telecomunicações, in Lisbon, Portugal. He has been involved in multiple networking and telecommunications projects. His research interests include networking and mobile communications, namely 5G communications, interference cancellation, MIMO systems, channel estimation, software defined radio, IP technologies and network security. He is the author of five books entitled Multimedia Communications and Networking, Transmission Techniques for Emergent Multicast and Broadcast Systems, Transmission Techniques for 4G Systems, MIMO Processing for 4G and Beyond: Fundamentals and Evolution and Cable and Wireless Networks.

## Innovation in Satellite Communications

**Meir Moalem**

CEO & Managing Director Sky and Space Global, UK

A jet fighter pilot, Lt. Col (Res.) of the IAF, Meir has over 20 years of experience in management, R&D and operation of state-of-the-art projects in Space Systems and Unmanned Aerial Systems. He was the project manager for Israel's first astronaut flight and has been managing Israel's satellite projects (such as Ofeq, Tecsar) and more for years. He has now set up his own company, Sky and Space Global, and recently managed the launch of the first set of nano-satellites. He has a B.Sc. in Physics and Computer Sciences (with honours) and an M.A. from the Diplomacy and National Security executive program (with honours). Currently he is working on his PhD in national security and space programmes. Meir has also received the Israel National Defence award in 2009.

## The Shifting Role of Carriers From Network Operators to Aggregators

**William P. Stueber**

Telecom Partners Group, New York, NY 10007, USA

Bill Stueber is a telecom and wireless industry expert. As the Senior Partner of Telecom Partners Group, he is a leading global telecom equity analyst. A former CEO of both public and private wireless telephony companies for 35 years, Mr. Stueber possesses the ability to provide clear, uncommon insights into complex issues with a depth of experience and expertise that ranges the entire wireless ecosystem. Bill has worked with investement bankers and funds representing more than helf of the top 50 global institutions including numerous publications, presentations and articles.

## Spectrum Efficient PAPR Reduction Techniques for OFDM Systems

**Tetsuya Shimamura**

Graduate School of Science and Engineering, Saitama University, JAPAN

Tetsuya Shimamura has completed his PhD from Keio University in 1991. He was Dean of Information Technology Center at Saitama Univerity and is a full professor currently there. He has published over 90 refereed journal articles and 220 international conference proceedings papers. He is an author or co-author of eight books, and a member of the organizing committee of several international conferences. He has received IEEE PACRIM, Gold Paper Award, in 2012, WSEAS MUSP, Best Paper Award, in 2013, and IEEE IFOST, Best Paper Award, in 2014. Also, he is a recipient of Journal of Signal Processing, Best Paper Award, in 2013, 2015, and 2016.

## High-Throughput Satellite (HTS) with Radio and Optical Frequencies for the next generation satellite communications

**Morio Toyoshima**

National Institute of Information and Communications Technology, Japan

Morio Toyoshima received a Ph.D. in electronic engineering from the University of Tokyo (Tokyo, Japan) in 2003. He joined the Communications Research Laboratory (CRL, Ministry of Posts and Telecommunications) in 1994. He had worked the Japan Aerospace Exploration Agency (JAXA) from 1999 to 2003. In December 2003, he became a Senior Researcher in NICT. Starting in October 2004, he spent one year as a guest scientist at Vienna University of Technology, Austria. In April 2006, he returned to NICT and he is now the Director of the Space Communications Laboratory, the Wireless Networks Research Center in NICT, since 2011.

## Green Technology and Consumer Electronics Driven Creative Wireless Technologies for Smart cities

**Ezendu Ariwa**

Warwick University, UK

Professor Ezendu Ariwa is a Chartered Fellow of British Computer Society (BCS) and Chair of IEEE Consumer Electronics & Broadcast Technology Chapter, UK and Ireland. He is an Academic Supervisor at the University of Warwick, UK and held various academic and professional positions with many years of experience in the United Kingdom and Internationally.

## Reliability factors based Fuzzy Logic Scheme for Spectrum Sensing

**Tallataf Rasheed**

Government College University

Tallataf Rasheed has completed her MS electrical Engineering from National University of Science and Technology, Rawalpindi, Pakistan. She has been serving as Research Officer in Government College University, Faisalabad, Pakistan. Her Research interests are cognitive radios, wireless communication, Wireless sensor networks and Signal processing.

## High performance chemical and biological sensing in wearable formats

**Radislav A. Potyrailo**

GE Global Research Center, USA

Radislav Potyrailo is a Principal Scientist at GE Global Research leading growth of GE's wireless, wearable, and industrial chemical and biological sensors for IoT. He has MS in Optoelectronics (Kiev Polytechnic Institute) and PhD in Analytical Chemistry (Indiana University). Radislav has 100 + granted U.S. Patents and 150+ publications on transducer technologies, sensing materials, and data analytics describing sensing concepts and their implementations. He has delivered 80+ invited lectures and ten keynote/plenary lectures at National and International Meetings. His recent recognitions include SPIE Fellow, Blodgett Award by GE Research, and Prism Award by Photonics Media/SPIE.

## Evaluation of Mobile GSM Performance under Different Atmospheric Propagation Models

**Qaysar S.Mahdi**

Professor, Ishik University

Prof. Dr. has completed his PhD at the age of 40 years from Engineering Militery College and postdoctoral studies from Engineering Militery College . He is the director of IT Services & Website Department, Ishik University . He has published more than 15 papers in reputed journals and has been serving as an editorial board member of repute.

## QoE-based Service Analytics and Optimization Model with Big data

**Pierre-Espoir KOFFI**

HADWIGER - 2 Rue Danton Saint-Priest, France

Pierre-Espoir is an entrepreneur, research engineer, project manager and Director at ENGEEM a service experience engine company in France that develops cognitive techniques to help operators automatically control the impact of traditional network performance on user experience.
He has studied mathematics, telecoms and network. He holds an engineer diploma in Telecom in 2009 and a Master in Mobile Services from IMT Atlantique in 2012. He is now a PhD candidate where his major research interests focus on the area of service experience management and user perceived quality.

## Cyber security::Big challenge for IoT Based application in 5G revolution

**Nirav Acharya**

Nokia Solution Network, India

I have completed B.Tech EC from Nirma University in 2012. I have worked as a transmission planning Engineer of Vodafone network of Gujarat in Nokia solutions networks since 2014. I have published 1 International Journal in Oct-2017.

## Comparative Study between UMTS, HSDPA and HSUPA

**Osama Abdallah Mohammed Enan**

Al-Neelain University Khartoum

Osama Abdallah Mohammed Enan has completed his Master at the age of 28 years from Al-Neelain University and He is PhD student at Neelain University. He is working in Sudanese Electricity Transmission Company. He has published 3 papers in local and international journals.

## A Novel Design of Fractal Dipole Antenna for Enhanced Ultra Wide bandwidth Wireless Applications

**Sarang Patil**

Technical University of Sofia, Bulgaria

Sarang Patil has completed his mater degree M.tech in Electronics engineering from Shivaji university Kolhapur, Maharashtra India at the age of 28 and Pursuing Ph.D from Technical University of Sofia,Bulgaria.Currently working as Assistant Professor in SKN Sinhgad Institute of Technology & Science, Pune University, India. He has published more than 10 papers in reputed journals and conferences.

## Radio Duct Energetic retrofitting of ventilation an air-conditioning systems for existing buildings via radio-based control

**Sebastian Braun**

Fachhochschule Aaachen, Germany

Sebastian Braun has studied Chemistry at the Ruhr-University in Bochum and is currenty a software developer and project manager, working in the team of Prof. Dr.-Ing. Jörg Wollert at the Fachhochschule Aachen.Biography

## Standardized Protocol of Secure Communication in IOT

**Zahra Soltani**

Shahid Beheshti University

Zahra Soltani received the B.Sc. degree from Shahid Beheshti University, Tehran, Iran, and the M.Sc. degree from Shahid Beheshti University, Tehran, Iran, both in telecommunication engineering, in 2011 and 2013, respectively. She is currently working toward the Ph.D. degree in the Department of electronic engineering, Shahid Beheshti University, Tehran, Iran. She was also with the communication research group at Iran Telecommunication Research Center (ITRC), Tehran, in 2015. She is currently working in National Iranian Gas Company(N.I.G.C). Her current research interests include physical layer security, different protocol and resource allocation in wireless.

## 5G IoT and its Key Technological Drivers

**Mathini Sellathurai**

Heriot-Watt University, UK

Mathini Sellathurai is a Full Professor of signal processing and intelligent systems with Heriot-Watt University, Edinburgh, U.K. She is leading research in signal processing for wireless communications. She has published 200 IEEE entries, given invited talks and has written a book and several book chapters in topics related to this project. She was a recipient of the IEEE Communication Society Fred W. Ellersick Best Paper Award in 2005, the Industry Canada Public Service Awards for contributions in science and technology in 2005, and the Best Ph.D. Thesis Award (Silver Medal) from NSERC Canada in 2002. She is also a member for IEEE SPCOM Technical Strategy Committee, an Editor of IEEE TSP from 2009. She is also the General Co-Chair of IEEE SPAWC2016 in Edinburgh.

## Selecting Network Protocols for Internet of Things Based Upon Innovation and Knowledge Management

**Dagmar Caganova**

Slovak University of Technology in Bratislava, Slovakia

Dagmar Caganova, assoc. prof. in Industrial Engineering, acts as Vice dean for International Projects at the Faculty of Materials Science and Technology in Trnava, the Slovak University of Technology in Bratislava, Slovakia. She is also the co - founder of the European Alliance for Innovation in Slovakia, management committee member of E-COST (European Collaboration in Science and Technology) TN 1301 Sci Generation, the executive committee member in Danubius Academic Consortium (academic network for Integral Innovation), steering committee member of Danube strategy PA 7 Knowledge society- science, research, innovation and ICT for the Slovak Republic.

## Measuring the Performance of Wireless Networks Represented as Probabilistic Graphs by Application of Network Reliability Models

**Louis Petingi**

College of Staten Island (City University of New York), USA

Dr. Louis Petingi obtained his Ph.D. in Computer Science from Stevens Institute of Technology (New Jersey, USA) in the fields of Extremal Graph Theory and Network Reliability. He is currently a full Professor of Computer Science at the College of Staten Island (City University of New York). Dr. Petingi research comprises: a) application of network reliability models to measure if performance objectives of communication networks are met and b) to introduce new techniques to characterize graphs with maximum number of spanning trees among competing topologies with equal number of vertices and edges. The latter problem has been tackled by many Graph Theorists since the 1960's because of its applicability to the design of reliable networks.

## Tracking the movement of patients indoors in Healthcare Environments

**Kevin Curran**

Ulster University, UK

Kevin Curran is a Professor of Cyber Security and group leader for the Ambient Intelligence & Virtual Worlds Research Group at Ulster University. He is also a senior member of the IEEE. Prof Curran is perhaps most well-known for his work on location positioning within indoor environments and Internet security. His expertise has been acknowledged by invitations to present his work at international conferences, overseas universities and research laboratories. He is a regular contributor on TV & radio and in trade and consumer IT magazines.

## A Distributed Event-Triggered Control Strategy for DC Microgrids over Industrial Wireless Sensor Networks

**Kamyar Mehran**

Queen Mary University of London, UK

Dr Kamyar Mehran is active in the field of energy management/efficiency using wireless sensor networks, intelligent control, fuzzy systems and multi-sensory fusion algorithms with over 25 publications and book chapters in the field. Recent research projects include low-cost conditional monitoring system for aged Lithium-Ion batteries in rural micro-grids (EPSRC GCRF project), and novel intelligent control systems for extending the life-cycle and safety of Li-ion battery packs (Newton fund). He has a successful experience of commercializing an opto-electronic technology using GaN devices from the European FP7 project (with 7 university and commercial partners) and acted as CTO.

# DESIGN NEW SECURE HYBRID HIERARCHICAL LINK STATE ROUTING PROTOCOL (SHHLS) FOR MANET

**K. THAMIZHMARAN**

Annamalai University, India

Prof. K. Thamizhmaran has received his M.E degree from Annamalai University, Chidambaram and Tamilnadu, India in the year of 2010 and 2012 respectively. He is currently working as an Assistant Professor in ECE / Department of Electronics and communication Engg, FEAT, Annamalai University, Annamalainagar, Chidambaram, Tamilnadu., India. His research interested includes area includes Networks security, Ad-hoc Networks, Mobile Communications, Digital Signal Processing. He has published more than 74 technical papers at various National / International Conference and Journals. He is reviewer of 03 international journals and technical committee reviewer of 08 international conferences. He is a member of IAENG, IACSIT, ADSL.

## Electrostatic Discharge (ESD) Protection for Wireless Communication IC's: Challenges and Solutions

**Juin J. Liou**

Zhengzhou University, China
President, Emoat, LLC, USA

Juin J. Liou received the B.S. (honors), M.S., and Ph.D. degrees in electrical engineering from the University of Florida, Gainesville, in 1982, 1983, and 1987, respectively. In 1987, he joined the Department of Electrical and Computer Engineering at the University of Central Florida (UCF), Orlando, Florida where he held the positions of Pegasus Distinguished Professor, Lockheed Martin St. Laurent Professor, and UCF-Analog Devices Fellow. His research interests are electrostatic discharge (ESD) protection design, modeling and simulation, and characterization. Currently, he works as the president of Emoat, LLC, a consulting firm which provides know-how and expertise on the design and characterization of ESD solutions. He also serves as a chair professor of Zhengzhou University, China and endowed professor of Zhejiang University, China.

## Apply the MRC/SC Schemes and Belief Propagation Algorithm to TM in the Deployment of IoT System

**Joy Iong-Zong Chen**

Da-Yeh University, Taiwan

Joy I. Z. Chen was born in Taiwan. He received his B.S. degree in electronic engineering from National Taiwan Technical University, Taipei, Taiwan, in 1985； M.S. degree in electrical engineering from Da-Yeh University, Chang Hua, Taiwan, in 1995; and the Ph. D. degree in electrical engineering from National Defense University, Tao-Yuan, Taiwan, in 2001. He is currently a distinguished professor in the Department of Electrical Engineering at Da-Yeh University, Chang-Hua Taiwan R.O.C. Prior to joining the Da-Yeh University faculty, he worked at the Control Data Company (Taiwan) as a technical manger from September 1985 to September 1996. His research interests include wireless communications, communication theory, communication statistics, and technical spread spectrum.

## Fabrication and Error Analysis in Radio Direction Finding of Biquad Antenna for Wireless Local Area Network

**Isaac Kuma Yeboah**

Regent University of Science and Technology

Isaac Kuma Yeboah has completed his Bachelor of Science in Physics at the age of 27 years from University of Cape Coast and postgraduate cerfiicate studies in Petroleum Geoscience from University College of Dubine. He has published more than 9 papers in reputed journals and was scientific committee member responsible for reviewing all papers submitted to the 10th IASME/WSEAS International Conference on Heat Transfer, Thermal Engineering and Environment, this took place in Istanbul, Turkey on August 21-23, 2012. He was awarded as the most promising researcher of the year 2012 by Regent University College of Science and Technology for publishing three technical engineering research papers and publishing them in an international journals.

## Evaluation of Real Time Self Interference Cancellation Algorithms for an OFDM Based In-Band Full Duplex Radio

**Hilal Güler**

École Polytechnique Fédérale de Lausanne, Switzerland

Hilal Güler has received her BSc degree in Electrical and Electronics Engineering at Middle East Technical University in Turkey and her MSc degree in Communication Systems at École Polytechnique Fédérale de Lausanne, Switzerland. During her master, she did an internship at Huawei European Research Center in Munich and wrote her master's thesis at Fraunhofer FKIE.

## Experience-Oriented Intelligent Internet of Things

**Haoxi Zhang**

Chengdu University of Information Technolgy, CHINA

Haoxi Zhang is an Associate Professor from the Chengdu University of Information Technology, Chengdu, China. He received his PhD in Knowledge Engineering from the University of Newcastle in 2013. His research interests focus on building experience-oriented intelligent systems based on knowledge engineering, Internet of Things, and Deep Learning. He has published more than 30 papers in reputed journals, book chapters, and conference procedings.

## Improving Performance of Large Scale Web Application (LSWA) using Cloud Computing technologies

**Hamdi Hassen**

Taibah university, KSA

Hassen Hamdi received in 2016, 2008 his Phd , Masters Degree in Computer Science from the University of Sfax, Tunisia. He is currently Assistant professor of Computer Science at the Faculty of Computing and Information Technology at Taibah University, Saudi Arabia and doing his PhD research at the Multimedia, InfoRmation Systems and Advanced Computing Laboratory University of Sfax, Tunisia. His research interests include Arabic OCR, distributed systems, performance analysis, and networks security.y

## LiNSAT: Nano-Satellite for Lightning Detection, Discrimination and Geo-Location

**Ghulam Jaffer**

Professor, University of the Punjab

Ghulam Jaffer received his PhD degree in Electrical Engineering/ Satellite Systems Engineering from Graz University of Technology, Austria and Masters in Space Sciences from University of the Punjab, Lahore, Pakistan. He is former founding Head of Department at Institute of Space Technology (IST), Islamabad, Pakistan. His research interests are in the fields of Satellite Engineering and Space Communications in general and particularly in autonomous internet-to-orbit gateway and distributed ground station networks for real-time multi-satellite communication. He is Reviewer of IEEEE Sensors Journal, IEEE Aerospace and Electronic Systems Magazine and Advances in Space Research.

## Security and Privacy of Internet of Things (IoT)

**Ehsan A-Dehkordi**

University of Wales Trinity Saint David, Swansea

Ehsan A-Dehkordy is a PhD researcher in the Univerity of Wales Trinity Saint David (school of applied computing) researching on IoT security and privacy protection. He is also training to be a Cisco instructor in Routing and Switching in the same university. He has graduated from Middlesex University (London, 2014) with a First Class Degree in BEng Computer Communications and Network and after that he has completed his MSc degree at Swansea University in Advanced Computer Science with Specialisation in Safe and Secure Systems with a Merit degree (Swansea, 2016). He has also 6 month work experience as a Network Analyst Intern in an Email archiving company called FCS Cryoserver (London).

## Framework for Demystifying M2M Spectrum Regulation

**Anuradha.C.B**

Ericsson India Global Services Pvt. Ltd., India

Anuradha.C.B. Anuradha is a Business Consultant at Ericsson, with 12 years of experience in ICT Business and Operations consulting. She has worked on many business transformations with leading ICT providers, ranging from Cloud Strategy & Operations, IOT strategy, Operational readiness, etc. Her expertise is primarily around Pre-Sales, Business & Operational Process Mgmt, IT Operational Strategy. Her consultative skills are backed by credentials from SITM (MBA), Gulbarga University (B.Tech.) & Professional certifications (Cloud, ITIL, TM Forum).

## A distributed and safe weighted clustering algorithm for mobile wireless sensor networks

**Amin DAHANE**

Intelligent Systems Research Laboratory (LARESI), ALGERIA

Amine Dahane received Master degree in Computer Systems and Networks from the University of Bechar in 2011. His Ph.D. degree, in 2017, in Electronics from the University of Sciences and Technology of Oran (USTO, Algeria) and member of LARESI Laboratory (Research in Intelligent Systems Laboratory) from 2011. His main research interest includes wireless sensor networks, their security, routing and management, Intrusion detection.

## Coverage and Throughput Analysis using Different WiMAX Antenna Configurations

**Ahmed El Naggary**

Higher Institute of Engineering and Technology – King Mariot

Ahmed El Naggary has completed his PhD at the age of 34 years from Alexandria University. He is an Assitant Professor at Electronics & Communicaion Department at King Mariot Engineering High Institute. He has published more than 10 papers in reputed journals.

# Best Tourist Destinations in London











