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International Conference on Wireless, Mobile Network and Applications

WiMoA 2021

Organized by:

Tirumala Engineering College

Jonnalagadda, Narasaraopet, Andhra Pradesh 522601

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International Conference on Wireless, Mobile Network and Applications

WiMoA 2021

Editors

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Preface

Conference World and AR Research Publication is fast growing group of academicians in Engineering, Sciences and Management. AR Research Publication is also known for fast reply and zero error work. Conference world has organized a various conferences at renowned places namely Delhi University; New Delhi, Jawaharlal Nehru University; New Delhi, PHD Chamber of Commerce and Industry New Delhi, YMCA New Delhi, India International Centre New Delhi Sri Venkateswara college of Engineering and Technology, Andhra Pradesh, Dhananjay Mahadik Group of Institutions (BIMAT), Shivaji University, Maharashtra, Vedant Engineering Kota and many more places across the country.

We are very pleased to introduce the proceedings of the International Conference on Wireless, Mobile Network and Applications (WiMoA 2021). As for previous conferences, the theme was the link between the information provided by conference world and the use made of this information in assessing structural integrity. These were the issues addressed by the papers presented at the conference. The level of interest in the subject matter of the conference was maintained from previous events and over 48 suitable papers were submitted for presentation at the conference.

Papers were well represented in the conference to arouse a high level of international interest. Three countries were represented in the final program from Europe, North America and Asia. In the event, the conference was highly successful. The presented papers maintained the high promise suggested by the written abstracts and the program was chaired in a professional and efficient way by the session chairmen who were selected for their international standing in the subject. The number of delegates was also highly gratifying, showing the high level of international interest in the subject. This is also indicated by the large number of countries, 01 represented by the delegates. This Proceeding provides the permanent record of what was presented. They indicate the state of development at the time of writing of all aspects of this important topic and will be invaluable to all workers in the field for that reason. Finally, it is appropriate that we record our thanks to our fellow members of the Technical Organizing Committee for encouraging participation from those areas. We are also indebted to those who served as chairmen, without their support, the conference could not have been the success that it was. We also acknowledge the authors themselves, without whose expert input there would have been no conference. Their efforts made a great contribution to its success.

About Conference

International Conference on Wireless, Mobile Network and Applications (WiMoA 2021) is a global event organized by Department of ECE, Tirumala Engineering College, Jonnalagadda, Narasaraopeta, Andhra Pradesh with association of Conference World and IARDO. **International Conference on Wireless, Mobile Network and Applications (WiMoA 2021)** is dedicated to address the challenges in the areas of wireless, mobile network issues & its applications. The Conference looks for significant contributions to the Wireless & Mobile computing in theoretical and practical aspects. The Wireless & Mobile computing domain emerges from the integration among Personal Computing, Networks, Communication Technologies, Cellular Technology and the Internet Technology. The modern applications are emerging in the area of Mobile ad hoc networks and Sensor Networks. This Conference is intended to cover contributions in both the design and analysis in the context of mobile, wireless, ad-hoc and sensor networks. The goal of this Conference is to bring together researchers and practitioners from academia and industry to focus on advanced wireless & Mobile computing concepts and establishing new collaborations in these areas. Selected papers will be published in UGC Care Listed International Journal with ISSN & Conference proceeding having ISBN .

About College

Vision

To be a world class leader in transforming lives through an innovative, rigorous and compassionate approach by imparting high quality academic excellence in technical education to uplift the living standards of the rural youth by promoting the cutting edge technologies, employability, higher education and research with socio-ethical, eco-friendly and entrepreneurial values.

Mission

To develop high quality technical personnel with a sound footing on basic engineering principles, innovative research capabilities and exemplary professional conduct to lead and to use technology for the progress of mankind, training and adepting them to changing technological environment by providing the high quality instruction, infra, faculty, effective teaching and learning methods imbining socio-ethical, eco-friendly and entrepreneurial values as the inner strength for rural development

Quality Policy

We, at Tirumala Engineering College, Strongly believe that Quality is the essence of life. Hence, TEC will constantly strive to improve the quality of education and training imparted

to its students by establishing state-of-the-art laboratories and modernizing them continually, upgrading the knowledge and skills of its staff periodically and developing strong linkages with industry.

Origin of the College

Once, a dry and bleak area, Narasaraopet Division has transformed itself into a vast lush green vista; thanks to Nagarjuna Sagar waters. The green revolution has, in its turn, spawned the white as well as knowledge revolution. That explains the phenomenon of a phalanx of academic and technological institutes in and around Narasaraopet.

You are welcome to Tirumala Engineering College. Though a late starter, the Institution has emerged into a front-runner in the field of technical education. It has become a preferred destination for merit students and career-conscious faculty. In a short span of 8 years, it has discovered itself into an engineering institute, par-excellence.

Founded and funded in 2008 by Tirumala Milk Products Pvt. Ltd., an entrepreneurial marvel, the institute was set up on a 16 acre strip girdled by a lush green picturesque landscape. The pastoral environs provide a tranquil ambience for an unruffled pursuit of knowledge.

The Tirumala Milk Products Pvt. Ltd is stewarded by five humble sons of the soil, moderately educated, but fired by a spirit of enterprise. In a short span of 15 years, the Dairy Group expanded its transactions to all the four Southern states and ushered into one of the Mega-Industrial Houses. With its varied milk products, its annual turnover has astonishingly shot up to Rs:1500 Crores. Foreign investors, too, have started showing keen interest in the Dairy. IIM Students have come down to study this marvel of rural initiative. Their business preoccupations notwithstanding, the dairy management had always been conscious that the tremendous breakthrough they had achieved was made possible by the cooperation of the humble dairy farmers who formed the backbone of their industry. This nagging sense of gratitude is what inspired them to set up an Engineering College in the vicinity of their origins with a view to promoting technical education for faster growth among their rural brethren.

The management's vision of transforming the college into a center of excellence has come true in its short existence of 8 years. The growing strength of the college, EAMCET students' preference for this college, rush for management quota seats, lucrative placements--all these go to vindicate the popular esteem it enjoys. R&D guidance by experienced professors, placement training under veteran corporate trainers, campus interviews spread over the whole of final year, a well staffed and richly equipped English department to enrich

communication skills, a galore of workshops and presentation seminars all through, and above all a disciplined academic ambience - are some of the features that the college can justly be proud of. The college has come to carve a special nich for itself in the university arena thanks to the combined efforts of its vibrant staff and dynamic principal.

Right now, the college offers four year B.Tech of CIVIL, MECHANICAL, EEE, ECE, CSE

DIRECTOR MESSAGE



I am delighted to state that International Conference on **Wireless, Mobile Network and Applications** (WiMoA-2021) provides an ideal forum for exploring the recent developments and advancement pertaining to all the profession. The International Conference will provide an exceptional platform to the researchers to meet, discuss the Practical Solutions, Scientific Results and Methods in solving intriguing problems with people who are actively involved in these emerging fields.

I admire the efforts of our Faculty and the Staff members to organize this Conference successfully. I laud your creditable steps.

May God bless them with practical wisdom to win all glory.

Dr.Y.V.Narayana,
Tirumala Engineering College
Jonnalagadda, Narasaraopeta, Andhra Pradesh

CONVENER MESSAGE



It is a matter of great pleasure to note that the ECE Department is going to organize the 2nd Inter National Conference on **Wireless, Mobile Network and Applications** (WiMoA-2021). It is a matter of great pride that the organizers of the conference have been successful in creating such a huge impact on the target participants in such a short span of time. The overwhelming response received from all over the country in both the Conference is simply amazing. It is heartening to acknowledge the fact that WiMoA-2021 has been sponsored by the IARDO. It is a great achievement on the part of the organizers to arrange the publication of the Proceedings of the Conference in the form of a book to be published by Conference world. On behalf of the Department and also on my personal behalf I would like to thank the organizers of WiMoA-2021 for their untiring efforts and constant endeavor to make the conference scale new heights. I wish WiMoA-2021 a grand success!!

Mr. Jagadeesh Thati, HOD, Dept.of ECE
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Jonnalagadda, Narasaraopeta, Andhra Pradesh

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