



Accredited by NAAC with "A" Grade

INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND BIO ENGINEERING (CBE'19)

27th & 28th December-2019

Sri Padmavati Mahila Visvavidyalayam (Women's University)



Springer



LATEST NEWS

All Accepted Papers Will Be Published In Springer Series...

ABOUT CONFERENCE

Computational Engineering (CE) is a relatively new discipline that deals with the development and application of computational models and simulations, often coupled with high-performance computing, to solve complex physical problems arising in engineering analysis and design as well as natural phenomena. **Bio Engineering (BE)** is a significant task of computational biology. Computational bio systems aim to develop and use efficient algorithms, data structures, visualization and communication tools with the goal of computer modeling of biological systems. It involves the use of computer simulations of biological systems, including cellular subsystems to both analyze and visualize the complex connections of these cellular processes. In addition, computational models help investigators to systematically analyze systems perturbations, develop hypotheses to guide the design of new experimental tests, and ultimately assess the suitability of specific molecules as novel therapeutic targets. Today, engineering approaches are essential for biologists, enabling them to analyze complex physiological processes, as well as for the pharmaceutical industry, as a means for supporting drug discovery and development programs. Further, Cloud and big data are new platforms to manage and analyze the biological databases. To address these aspects Scientists with computer science, biotechnology background, academicians, decision makers, policy makers, stakeholders, students, Govt. Agencies, Industries and public consumers are invited to share their research finding and thoughts on a common platform during the International conference.

Organized by
Department of Computer Science
Department of BioScience & Sericulture
Sri Padmavati Mahila Visvavidyalayam (Women's university)
in Association with
Pathgene Healthcare Private Ltd & IETE Tirupathi Chapter

The main goal of this international conference is to provide a forum open to experts, researchers and post graduate students from different disciplines to present problems concerning computational methods in several fields of Science, Technology and Engineering, such as theoretical and computational aspects in Informatics, Physics, Chemistry, Mechanics, Biology, Economics, and other sciences, from the entire world in order to discuss high level scientific questions, exchange solid knowledge of pure and applied sciences, and investigate diverse backgrounds, theoretically and practically. Following this tradition and roots, this conference will bring together researchers from the international scientific community interested in this field to discuss the advancements and the future perspectives in data science, bio engineering, computational biology, biomaterials, bioinformatics, biostatistics and biomedical fields. Applied biologists are also invited to participate in order to propose novel challenges aimed to have high impact for molecular biology and translational medicine.

CONTACT US

Prof. S. Jyothi
Program Chair, CBE'19
Department of Computer Science
Sri Padmavati Mahila Visvavidyalayam (Women's University)
Tirupati-517502, Andhrapradesh, India.
Contact :+91-9440582187s
Email : jyothi@spmvv.ac.in



ABOUT UNIVERSITY

Sri Padmavati Mahila Visvavidyalayam (University for Women) was founded in the year 1983 by Sri N.T.Rama Rao, the then Chief Minister of Andhra Pradesh, with the fervent desire to train women students as better builders of the Nation and to inculcate skills of leadership in all aspects of life. The University was established under the Sri Padmavati Mahila Visvavidyalayam Act of 1983, which has come into force on the 14 of April 1983. It was started with ten faculties and 300 students and twenty staff members. Today the University has a student population nearly 4000 and an academic staff of 105 and 131 academic consultants. This year the University has 59 courses at the post-graduate and undergraduate level and a good component of research. The campus of Sri Padmavati Mahila Visvavidyalayam is spread out in a lush green area of 138.43 acres. The University is situated at a distance of 3 km from the railway and bus stations of Tirupati. The campus has the necessary buildings to run its academic programmes and administrative machinery. There are separate buildings for Humanities and Sciences, University Administration, Central Library, University Auditorium, Sericulture Complex, and School of Pharmaceutical Sciences and also an independent building for Computer Science, Business Management and Engineering College.

For More Details Visit : <http://www.cbe-spmvv.com>

COMMITTEES

Chief Patron

- Prof. V. Uma, Vice-Chancellor (I/C), SPMVV, Tirupati.

Patron

- Prof. A. Rama Krishna, Director, School of Engg. and Technology.
- Prof. A. Jyothi, Dean, School of Sciences.
- Dr. T.V.S. Sarma, NARL, Gadanki.

Honorary Chair

- Prof. Lakhmi C. Jain, Founder KES International, Visiting Professor, Liver Pool Hope University, UK, University of Technology Sydney, Australia.

Program Chairs

- Prof. S. Jyothi, Dept. of Computer Science, SPMVV, Tirupati.
- Prof. D. M. Mamatha, Dept. of BioScience & Sericulture, SPMVV, Tirupati.
- Dr. Syed Rahamathulla, Managing Director, Pathgene Health Care Private Ltd., Tirupati.

Program Co-Chairs

- Prof. K. Usha Rani, Dept. of Computer Science, SPMVV, Tirupati.
- Dr. P. Bhargavi, Dept. of Computer Science, SPMVV, Tirupati.

Editorial Board

- Prof. S. Jyothi, Dept. of Computer Science, SPMVV, Tirupati.
- Prof. D. M. Mamatha, Dept. of Bioscience & Sericulture, SPMVV, Tirupati.
- Dr. Margarita N.Favorskaya, Dept. of Informatics and Computer Techniques, Pathgene Health Care Private Ltd., Russian Federation.
- Dr. Suresh Chandra Satapathy, KIIT University, Bhubaneswar.
- Dr. K. Srujan Raju, CMR Technical Campus, Hyderabad.

CALL FOR PAPERS

CBE'19 provides a platform for researchers, scientists and academia from Computational and Bio Engineering to meet and exchange ideas, collaborate and work together. It also proposes to focus on all aspects of computation, bio engineering with modern and emerging computational techniques especially areas which require very high precision. Topics of interest include but are not limited to:

Computational Engineering

- Artificial Intelligence
- Data Mining and Data Warehousing
- Cloud Computing
- Computational Intelligence
- Soft Computing
- Image Processing
- Internet of Things
- Cognitive Computing
- Wireless Networks
- Social Networks
- Big Data Analytics
- High performance computing
- Parallel and Grid computing
- Image and signal analysis
- Machine Learning
- Network Security
- Computer Networks and Communications
- Distributed Computing
- Remote Sensing and Geographical Information Systems
- Software Engineering
- Bioinformatics
- Bio Computing / Biometrics

Bio Engineering

- Biological databases
- Bio-ontology
- Molecular Pathways
- Computational biology
- Biomaterials
- Bioengineering
- Bio-data visualization
- Bio-inspired computing
- Biological network reconstruction and analysis
- Biomarker discovery
- Disease classification
- DNA, RNA and protein sequence analysis
- Drug discovery and validation
- Epigenetic/Epigenomics
- Functional genomics & Proteomics
- Gene expression analysis
- Medical and biomedical informatics
- Adaptive computation in Bioinformatics
- Seri-Biotechnology
- Micro-Biology
- Bio Technology

Registration

Indian Authors	INR 7000 (Upto 8 pages)
Foreign Authors	USD 200 (Upto 8 pages)
Presentation	INR 2500/USD 75

Key Dates

Full Paper Submission Deadline	30-09-2019
Acceptance Notification	30-10-2019
Registration	05-11-2019
Camera Ready Copy	15-11-2019

COMMITTEES

Advisory Committee

- El-Sayed A. El-Sheikh, Zagazig University, Egypt
- Prof. G. Hemanth Kumar, Vice Chancellor, Mysore University
- Prof. S. Vijaya Bhaskar Rao, S V University, India
- Dr.P.J.Raju, Director, APSSRDI, India
- Prof. K. Sandhya Rani, SPMVV, India
- Prof. M. Hanumanthappa, Bangalore University, Bangalore
- Prof. D. Bharathi, SPMVV, India
- Prof. Khaedkar, Aurangabad University, Aurangabad, India
- Dr. Satyanarayana, NRSA, India
- Dr.Kun-lin Hsieh, NTU, Taiwan
- Dr.Ahamad J. Rsumdar, KIT, Germany
- Dr.V.R. Chirumamilla, EUT, Netherland
- Dr.Halis Altun, MU, Turkey
- Dr. Suresh Sundaram, NTU, Singapore
- Dr. Lipo Wang, NTU, Singapore
- Dr. Chilukuri Mohan, Syracuse University, Syracuse, USA
- Dr. Vasant Pandian, University Putra Malaysia, Malaysia

Technical Committee

- Dr. Amr Ahmed Mohamed, Giza, Egypt
- Prof. Viswanatha raju, JNTU, Hyderabad, India
- Prof. C. Shobha Bindu, JNTU, Anathapur, India
- Prof. K. Srinivas, Anna University, Madurai, India
- Prof. B. Satyanarayana, S.K. University, Anantapur, India
- Prof. S. Ramakrishna, S.V. University, Tirupati, India
- Dr T Rajendra Prasad, Secretary, IETE, Tirupati Chapter, India
- Prof. T. Sudha, HoD, SPMVV, India
- Prof. N. Padmaja, IETE, Tirupati, India
- Prof. M. Usha Rani, Director, Computer Centre, SPMVV, India
- Prof. D. Kalarani, Director, CURIE, SPMVV, India
- Prof. P. Uma Maheswari, Director, IQAC, TePP, SPMVV, India
- Dr. Suresh Sundaram, NTU, Singapore
- Dr. Lipo Wang, NTU, Singapore
- Dr. Chilukuri Mohan, Syracuse University, Syracuse, USA
- Dr. Vasant Pandian, University Putra Malaysia, Malaysia
- Dr. Brijesh Verma, CQ University, Brisbane, Australia
- Dr. Fujita, Iwate Prefectural University, Iwate, Japan
- Dr. Dries Benoit, Ghent University, Ghent, Belgium
- Dr. A. Arul, Philips Electronics Singapore, Singapore
- Dr. Pawan Lingars, Saint Mary's University Halifax, Canada
- Dr. Amuelson Hong, Oriental Institute of Technology, Taiwan
- Dr. YaoChuJin, University of Surrey, Guildford, England

Program Chairs

- Prof. S. Jyothi, Dept. of Computer Science, SPMVV, Tirupati.
- Prof. D. M. Mamatha, Dept. of BioScience & Sericulture, SPMVV, Tirupati.
- Dr. Syed Rahamathulla, Managing Director, Pathgene Health Care Private Ltd., Tirupati.

Paper Submission

Paper Submission Link :

<https://easychair.org/conferences/?conf=cbe2019>

