Patrons

Chief patron — Dr.G.Viswanathan, Chancellor.

C0- Patrons
- Mr.Sankar Viswanathan, Vice president. VIT.
- Dr.Sekar Viswanathan, Vice president. VIT.
- Mr. G.V.Selvam, Vice president. VIT.
- Dr. Santhya penta reddy, Executive Director, VIT.
- Ms.Kadhambari S. Viswanathan, AVP, VIT.
- Prof. Anand A.Samuel,Vice Chancellor, VIT.
- Prof. S.Narayanan, Pro Vice Chancellor,VIT.

Organizers

Conference chair — Dr.R.Vasudevan
Conference co-chair — Dr.D.Malligarjuna Reddy
Convenors — Dr.Rajkumar.E, Dr.Narendiranath babu.T

International Advisory Board members

- Dr.J.N.Reddy, Professor, Texas A&M University, USA.
- Dr.D T Pham, Professor, The University of Birmingham, UK.
- Dr.Paulo Davim, J., Professor, University of Aveiro, Portugal
- Dr.Chennupati Jegadish, Professor, Australian National University.
- Dr. Janos Arpad Kosa, Neumann Janos University, Hungary.
- Dr.herbil.Herwig wingler, BTU, Germany.
- Dr.Julia, SDU, Denmark.
- Dr.Senthil Kumar.A, Professor, NUS, Singapore.
- Dr.Seeram Ramakrishna, Professor, NUS, Singapore.
- Dr.Palani Balaya, Professor, NUS, Singapore.
- Dr.Manoj Gupta, Professor, NUS, Singapore.
- Dr.Rushi Gudwala, Space Scientist, Toronto, Canada.
- Dr.Sourav Chandra, Rehabilation Institute of Chicago, Chicago.
- Dr.Upadrasta Ramamurty, URAM, National Technical University.

National Advisory Board members

- Dr.R Gnanamoorthy, Professor,IIT Madras, Chennai.
- Dr. A. Seshadri Sekhar, Professor,IIT Madras, Chennai.
- Dr.Krishnan Balasubramanian, Professor,IIT Madras, Chennai.
- Dr.Sujatha.C, Professor, IIT Madras, Chennai.
- Dr. Gaurav Bartarya Asst Prof, IIT Bhuvaneswar.
- Dr.Anantha Suresh, Professor,IISC, Bangalore,
- Dr.S. Gopalakrishnan, Professor,IISC, Bangalore.
- Dr.R.K.Misra, Sientist G,Additional Director,DRDO, Bangalore.
- Dr.Ramprabhu, Deputy Director, DRDO, Bangalore.
- Dr.S.Krishna Kumar, Scientist, DRDO, Chennai.
- Dr.Jey singh, DGM, VSSC, ISRO, Trivandrum, Kerala
- Dr.Rambabu kammili, Scientist, IMARAT, Hyderabad.
- Dr.K.P. Karunakaran, Professor, IIT, Bombay.
- Dr.Senthil Kumaran, Assistant professor, IITM, Chennai.
- Dr.Bankim Chandra Ray, Professor, NIT Rourkela.
- Dr.Bala Murugan, Assoc. professor, Anna University, Chennai.
- Dr.Jeya Paul, Professor, NIT, Trichy, Tamil Nadu.
- Dr.Suraj Mukti, Associate professor, NIT, Suratkal.
- Dr.Vishesh Ranjan, Assistant professor, NIT, Jamshedpur.
- Dr.Nithin Kotkunde, Associate professor,BITS Pilani.
- Dr.V.Jeya Kumar,Professor, Amrita Viswa peetham.
- Dr.Devika, Professor, Saveetha University.
- Dr. T. Jeyapoovan, Professor, Hindustan University, Chennai.

About VIT

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Chancellor Dr.G.Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 33,000 students. Students from all the states of India and from more than 50 countries are studying at VIT University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 4 campuses- in Vellore, Chennai, Amravati(AP) and Bhopal(MP). The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India in the year 2016 and 2017. VIT has gone for accreditation by NAAC[India], IET [UK] and ABET [USA] and follows world class academic processes. VIT is the first and only in India to get 4 star rating from QS, the world universities ranking organisation. The Industry consortium FICCI, has declared VIT as the " University of the Year 2016" in India. VIT has also been ranked in the top 201-250 in QS BRICS Ranking in 2016 and in the top 251 -300 in Times Higher Education (THE), Asia ranking, VIT has introduced many innovation in academic processes which adds value to every student. FFCS(Fully Flexible Credit System) for better learning, fully digitized academic portals that assists students in equipping themselves for 2020 market place, Hackathons / Makethons as part of curriculum exercise which kindles the interest and the curiosity of students, which moulds them to be better problem solvers, 8Th module in every subject being handled by industry experts, making the students contextualize the concepts they study in the class room, are a few of the innovations that VIT has introduced.

VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

International conference on Design, Automation and Control (ICDAC 2020)

on

6th , 7th and 8th January, 2020

ICDAC-2020

Organized by

Department of Design and Automation
School of Mechanical Engineering
Vellore Institute of Technology
Vellore – 632014

VIT - A place to learn: A chance to grow

About the School of Mechanical Engineering

The School of Mechanical Engineering is amongst the premier schools of VIT started functioning right from 1984. The school has got a team of highly qualified faculty members, many holding PhDs from the elite institutes across the globe, to teach and train the best minds of this country. The pride of the school lies in the significant research funding received from several government agencies such as DST, DRDO, MNRE, CSIR, CVRDE, CPDO, IE, AR & DB,BRNS, ISRO, UGC, NRB, AICTE and also from international funding agencies such as DST-UKIERI, Royal Academy of Engg., Indo-German etc., Memoranda of Understanding (MoUs) with various Industry Research Organisations and leading Universities. The Department of science and technology, Govt. of India has recognized the school for its research activities and supported in 2003 and 2010 under FIST scheme. The School has modern facilities, enabling cutting edge research in a wide spectrum of technological areas. The school actively assists local industries in product design, complex-part manufacturing and Computational Fluid Dynamics. The courses offered cater to the needs of Aerospace, Defence, manufacturing, Energy and Automotive industries. This has enabled the students to pursue higher studies in leading Universities in India and Abroad. Three of Bachelor's Degree programmes offered by the school, B.Tech. Mechanical Engineering and B.Tech Mechanical with Specialization in Automotive Engineering and B.Tech Mechanical with Specialization in Energy Engineering are accredited by the Engineering Accreditation commission of ABET.

About ICDAC 2020

The International conference (ICDAC 2020) is recognized as the premier conference for Design, Automation and control. ICDAC offers outstanding opportunities for designers, researchers, industrialists, tool developers and vendors. Members are from a global community of more than 100 organisations and represented by Scientists, CAD Engineers, validation engineers, Senior managers and academicians from world ranking (QS) Universities. A highlight of ICDAC is its technical presentations, keynote sessions, Publications (Scopus and Web of science), research collaborations and exhibition from leading companies.

Call for papers

Technical papers describing original, previously unpublished results are solicited in all areas of Design, Automation and Control. Authors are invited to submit papers through the following web link.

http://info.vit.ac.in/ICDAC/index.html

Conference Themes

The conference will be focused on addressing research challenges in the field of "Design, Automation and Control" but not limited to, the following:

Track 1 - Design Engineering

Product design and development cycle, Aerodynamics, Combustion modelling and simulation, Aerospace Systems and Technology, Rotor Dynamics, Finite element analysis, Optimization of Systems, Virtual Reality and Augmented reality, DFMA, CAD/CAM/CAE/CIM, Rapid Prototyping, Nano composites and micro mechanics, Repair technology in composites, Quality control of composites, Vibration, Noise Analysis, Machine design, Industrial Engineering.

Track 2 - Automation

Robotics, Mechatronics, Cloud-based automation, Cyber physical production systems and industry 4.0, Automated fault detection, diagnostics, and prognostics, Modelling and simulation, Optimization of automation systems, Smart factories, Smart logistics and supply chains, Smart products with embedded intelligence, Sustainability and green automation, Human-robot / robot-robot collaboration, Smart and connected healthcare automation.

Track 3 - Control

Robot motion control, Automotive control systems, Automotive electronics, Networked control systems, Recent Developments in Automation and Control, System modelling and simulation, Linear and Nonlinear Control Systems, Optimization and Optimal Control, Neural Networks and Fuzzy Logic, Genetic Algorithms and Evolutionary Computing, Applications of Control Theory in Industry, Genetic Algorithms and Evolutionary Computing, Agriculture, Environment, Health Applications.

Plagiarism

Hereby informing you that plagiarised papers will not be accepted for ICDAC-2020. The ICDAC team will be checking plagiarism level of all the submitted papers for ensuring the originality of content using Turnitin.

How to Register?

Kindly use the below link for register & online payment:

http://info.vit.ac.in/events-vit/icdac2020/apply.asp

Journal Publications

All the accepted papers and registered manuscripts, based on their quality after peer review process by editorial committee, will be published in any one of the SCI (Web of science) and Scopus indexed journals without any additional fee. · Selected extended version of the papers will be published in Special issue of International journal of turbo and Jet engines . It is one of the UGC recommended mandatory journals and also indexed by Scopus (0.625 SNIP).

Best paper Award

Best 3 presented papers will be selected from each track and the corresponding author will be recognized with certificates and award.

Due Dates

Submission of abstracts	: September 30, 2019
Notification of acceptance of abstracts	: October 16, 2019
Submission of Full length paper	: Nov 6, 2019
Notification of acceptance (Full paper)	: Nov 20, 2019
Online registration	: Nov 27, 2019

Accommodation

The participants may be accommodated in the University hostel on request basis at nominal charges.

Registration Fee

U.G / P.G. Students/ Research Scholars	Rs. 6000
Academicians	Rs. 8000
Industry/ R & D	Rs. 9000
Listeners / Attendees without paper	Rs. 5000

Contact Us

Dr. RAJ KUMAR E,
Associate Professor,Email: rajkumar.e@vit.ac.in,
Mobile : +91 99443 54944

Dr. NARENDIRANATH BABU T,
Associate Professor, Email: narendiranathbabu.t@vit.ac.in,
Mobile: +91 91761 27206
Department of Design and Automation,
School of Mechanical Engineering,, VIT, Vellore,632014.