International Conference on
Sports Engineering
ICSE-2017
Under the auspices of Ministry of Youth affairs and Sports, New Delhi
23 – 25 Oct 2017

Birla Institute of Technology & Science, Pilani (BITS Pilani) and Federation of Indian Chambers of Commerce and Industry (FICCI) are jointly organizing ICSE-2017 in association with the International Sports Engineering Association (ISEA, UK).

Venue: Birla Auditorium, Jaipur

The organizers
The Birla Institute of Technology & Science Pilani, (BITS) Pilani is a Deemed University, established in 1964 under Section 3 of the UGC Act, 1956. It is a premiere institute of higher learning in India.

Federation of Indian Chambers of Commerce and Industry (FICCI), established in 1927, is the apex Chamber of Commerce and Industry in India, having its registered office at Federation House, Tansen Marg, New Delhi - 110 001.

Aim of the conference
The aim of the conference is to bridge the gap between Engineering, Technology and Sports in order to provide a collaborative platform enabling share of domain knowledge for mutual benefit.

Objectives
- To encourage research in Sports Engineering and strengthen manufacturing industry to ensure quality of sports products.
- To enhance the flow of knowledge between engineering technology and sports industries
- To bridge the gap between sports industry and academia for improving sports infrastructure and facilities
- To support Government and Industry by promoting domestic equipment manufacturer and enhance technology for sports development.

Who can Attend
Engineering educators, Researchers, Students, Physical education teachers from universities and colleges, Sports policy makers, Members of the regulating bodies like UGC, AICTE, CBSE, NCERT, Professionals from industries, Sports goods & equipment manufacturers, Entrepreneurs, Service providers.

People participating in the workshop I, don’t necessarily need to present a paper.

Special Attractions
- Two Workshops coordinated by Prof. David James, Sheffield Hallam University, UK & Prof. Paul Fleming, Loughborough University, UK
- Key Notes and Plenary lectures
- Research papers by Internationally acclaimed researchers
- Networking with renowned personalities from Sports Industries and sports personalities
- Ph.D. Symposium for budding Researchers and Entrepreneurs
- Deliberation on Sports Engineering curriculum
- Poster presentation by graduate & undergraduate students
- ISEA supported Pan-India Design contest prize distribution

Call for Papers
We invite original research contribution for ICSE-2017 Conference.

All papers will be published in Conference Proceedings by Cambridge Scholars. Selected papers will be published by Journal of Sports Engineering - Springer Publication and Journal of Sports Engineering and Technology - SAGE Publication. ICSE-2017 will have 4 tracks: Engineering, Management, Data Science and Code of practice. The official language is English; all papers will be single blind peer reviewed before publication.

Topics of interest for the conference
Aero-and hydrodynamics, Analysis and simulation of equipment or athlete, Analysis of movement, Design manufacturing and testing of track, Facility maintenance and sports performance, Innovation and startup in sports technology, Sports textile, Materials and modelling, Mechanics and dynamics of sports equipment, Simulation and mathematical modeling, Sports equipment design and testing, Surface interaction, Synthesis and analysis of equipment for group and individual sports.

Computer supported training and decision support systems, Computer systems in sports, Image and video analysis, Sports analytics & data science, Virtual reality and internet-of-things, Wearable technology.

URL: http://www.bits-pilani.ac.in/icse2017/
Management and maintenance of infrastructure, Materials and human material interaction, Measurement instrumentation and feedback, Sports infrastructure and facilities (including sports surfaces), Stadium and venues design, Technology management for sport.

Biomechanics for sports equipment and technology, Sports injuries related to facilities, Status review of sports infrastructure (India and abroad), Use of engineered aid in training. Ethical issues in sports and technology, Gender related technology issues in sports, Government policy on infrastructures and facilities, Health fitness and recreation related to infrastructures and facilities, Performance enhancement through equipment and surfaces. Rehabilitation and technology, Ethical issues in sports and other related topics.

Organizing Committee

Chief Patron:
Prof. Souvik Bhattacharyya (Vice-Chancellor, BITS Pilani)

Patrons:
Dr. A. Didar Singh (Secretary General, FICCI)
Prof. A. K. Sarkar (Director, BITS Pilani - Pilani Campus)
Prof. R. N. Saha (Director, BITS Pilani - Dubai Campus)
Prof. G. Raghurama (Director, BITS Pilani - Goa Campus)
Prof. G. Sundar (Director, BITS Pilani - Hyderabad Campus)

Under Guidance of a team of National & International Advisors:

Conference Chair:
Prof. M. S. Dasgupta (Mechanical, BITS Pilani)

Conveners:
Industry: Mr. Rajpal Singh (Director, Sports, FICCI)
Academic: Dr. Pintu Modak (Physical Edu., BITS Pilani)

Core committee members:
Mr. Amit Mantri (Research Associate, FICCI)
Dr. Arun Vaish (Economics & Finance, BITS)
Dr. Indreesh Kumar (Chemistry, BITS)
Prof. Kumar Neeraj Sachdev (Humanities, BITS)
Dr. Lavika Goel (Computer Science & IT, BITS)
Prof. Navneet Gupta (EEE, BITS)
Dr. Niladri Sarkar (Physics, BITS)
Dr. Pintu Modak (Physical Education, BITS)
Dr. Pratik N Sheth (Chemical, BITS)
Dr. Rajendra Prasad Pareek (Medical, BITS)
Prof. Rajesh Mehrotra (Biology, BITS)
Prof. Rajesh Prasad Mishra (Mechanical, BITS)
Prof. Rajiv Gupta (Civil, BITS)
Prof. Shibasish Chaudhury (Biology, BITS)
Prof. Virendra Singh Nirban (Humanities, BITS)
Dr. Yashwardhan Sharma (Computer Science & IT, BITS)

Registration Charges:

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<th>Registration</th>
<th>Indian Delegate</th>
<th>Foreign Delegate</th>
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<tr>
<td>Early Bird</td>
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Corporate participants can avail 10% reduction under group registration.

Registration is on-line at conference URL. Charges include conference kit, admission to both workshops and Key note addresses, refreshments, working lunch, and welcome dinner. Accommodation is not included in registration charges. Official travel partner Cox & Kings can be contacted for special conference rate accommodation in and around Jaipur.

Key Dates (Time and date refers to IST)
18 May 2017: Abstract submission last date
30 May 2017: Abstract acceptance notification
30 Jun. 2017: Paper submission last date
20 Jul. 2017: Paper acceptance notification
25 Jul. 2017: Early bird registration ends
30 Aug. 2017: Registration deadline for paper presentation

Venue & Contact information

Birla Auditorium is a picturesque venue, centrally located within Jaipur, the capital city of Rajasthan, in India. It is about 11km from Jaipur International Airport and about 250km from Indira Gandhi International Airport, New Delhi. From Jaipur Railway Station, the venue is about 3.5km.

For any query, please contact us at icse@pilani.bits-pilani.ac.in

Conference Chair: Prof. M. S. Dasgupta +91 9829227459
Convener: Dr. Pintu Modak +91 9636575446