



# An online Second International Conference on Sustainable Urban development, Resource conservation & Food security

## SURF - 2020 [THE CARBON NEUTRAL CONFERENCE]

### August 6, 7 & 8

Bearys Knowledge Campus, Mangalore | [www.icsurf.com](http://www.icsurf.com)

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#### About the Conference

Amongst the several verticals of the accomplished Bearys Group, education holds a special place in the heart of the promoters who profess that education as a path to their salvation. With that deep conviction, Bearys Education, first conceived in the year 1906 has now flowered in to an establishment of 22 institutions covering the entire spectrum of primary, secondary, teachers training, arabic, vocational training, engineering and architecture, all coming under the aegis of Bearys Academy of Learning. Among these, the three institutions namely BIT, BEADS and BIT Polytechnic, located at the Bearys Knowledge Campus, Innoli, Mangalore occupy a place of pride, tasked with the responsibility of grooming professionals to address the sustainability challenges confronting the planet. Located in a verdant setting of a plateau, lying at the feet of the majestic western ghats, young minds are nurtured by nature to become stewards of planet earth using technology with due sensitivity to serve the needs of the people and the nation.

Planet Earth and life as we know it, is clearly at the cross roads. The unrelenting exploitation by the human race, from the time of industrial revolution, has gouged and ripped off sensitive natural systems of the living planet resulting in irreparable damage to the natural order. Every Environmental Impact Assessment report of human activity, only points to damning results. The latest IPCC report has sounded a bugle call which fixes a ceiling of limiting global temperature to 1.5deg C from pre-industrial times failing which, we would be triggering cataclysmic results having a non reversible consequences for life on this planet. Strangely humanity in its pursuit of its so called development agenda, has no clear understanding the damage that it has already subjected to various natural systems, which contribute to the critical balance of the planet.

With this being a reality, entire humanity and academia in particular, should be at the forefront of generating data, debating and offering alternative models of living and technology so that the pace of destruction be identified, slowed and then help reverse and create the much required space for healing so that the future of humanity and life are not brought to brink of total annihilation.

So from the platform of **SURF 2020**, the online Second Carbon Neutral International Conference, we call upon researchers, academicians, technocrats, NGOs and research establishments, to contribute their original research papers to add to the body of knowledge and lend their might, in taking on the potent challenge facing humanity.

#### Call for Papers

The softcopy of full length manuscripts (in pdf format) shall be submitted through the Easy Chair Conference Management System:

<https://easychair.org/conferences/?conf=surf20200>

Major topics of conference include but not limited to:

##### Track 1: Sustainable Urban Development

- Urban Sustainability and shift to Low Carbon development
- Sustainable housing and urban neighborhoods
- Sustainable Construction Materials Systems & Technologies
- Minimalistic Approach, Adaptability and Sustainability
- Sustainable Vernacular Architecture
- Sustainable Design and Human Behavior: Changing Lifestyles
- Measuring Sustainability: Assessment and Buildings Performance
- Sustainability in Developing Countries
- Planning for Sustainability: Local versus national initiatives
- Sustainability Opportunities and Challenges
- Environmental Behavior for sustainable consumption
- City, Community and Building for Resilience – preparing for the carbon and climate crunch
- Smart Cities, Smart Healthcare, Smart Homes and Intelligent buildings.

##### Track 3: Food Security

- Food Security and Resilience
- Food Preservation and Safety
- Agricultural and Food Economics
- Food security, poverty and sustainability
- Starvation and Food waste management
- Cold storage and logistics management
- Minimum support price help in food security
- Contribution of cooperative society in food security
- Balanced diet and nutrition education policy
- Environmental and Climate Impacts on Food Security
- Emerging technologies in food production
- Improved irrigation and fertigation system
- Post harvest technology to achieve food security
- Food production challenges
- Food supply chain management
- Integrated pest management systems

#### Call for Poster

Submissions for posters are invited from UG / PG students,

**CASH AWARD - FOR TOP 2 POSTER PRESENTATIONS**

For Registration Fees & Details: <https://icsurf.com/submission/>

##### Track 2: Resource Conservations

- Energy Conservation
- Embodied energy in building materials
- Smart Grids
- Integrating of Renewable Energy Sources for Urban development
- Eco Design and Eco Friendly Development
- Green Development and Construction Systems
- Low Energy Architecture
- Low Cost Building
- Zero Carbon & Low Energy Housing and Mixed-us Development
- Climate Change Impact on the built environment
- Energy Use and Management
- Efficiency and environmental impacts of resource utilization
- Reduce, Reuse, Recycle and Reproduce
- Energy optimization
- Energy saving techniques

##### Track 4: Advances and Recent Trends in Engineering and Technology

- Civil Engineering
- Computer Engineering and Technology
- Electrical and Electronic Engineering
- Environmental Engineering
- Electronics and Communications Engineering
- Information Science and Engineering
- Materials Sciences and Engineering
- Mechanical Engineering and Technology
- Power & Engineering

#### IMPORTANT DATES

- |                                    |                     |
|------------------------------------|---------------------|
| • Submission of Abstract           | - Jul 10, 2020      |
| • Submission of Full Paper         | - Jul 14, 2020      |
| • Notification of Acceptance       | - Jul 26, 2020      |
| • Registration Deadline            | - Jul 31, 2020      |
| • Camera Ready Submission Deadline | - Aug 2, 2020       |
| • Conference                       | - Aug 6, 7 & 8 2020 |



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