

INTERNATIONAL SYMPOSIUM 7 - IN- 1

Theme: "Chitt-Kaya Nivesh Sthaan (CNS)/Abode for Mind and Body"



VENUE: CGC, Innovatorium, Room 209, AU, BIRK CENTER PARK 40, 7400 HERNING, DENMARK

DATE: June, 21-22, 2021

The Overall Objective of the Symposium 7 -In- 1 is to open discussions on innovation and its commercialization through a strong partnership between industries and academia as well as on modern practices and methodologies in cross-/multi-/inter-disciplinary areas such as social science, technology, Business Canvas and so on. The novel, innovative solutions for the inherited and current problems will be examined to have a discrete system of work to be followed. The symposium will create an atmosphere for socialization among participants and on the popular happenings in the Digital World. It will also provide a platform for different sectors to look for new initiatives for defining project proposals.

- **17th CTIF Global Capsule (CGC) Annual Workshop**
- **5th BIT (Birsa Institute of Technology) SINDRI ASSOCIATION (BITSA) International World Connect**
- **37th GISFI Standardisation Series Meeting (GSSM)**
- **2nd International Conference of Capacity building and ExchaNge towards attaining Technological Research and modernizing Academic Learning (CENTRAL)**
- **2nd GreenBizz Workshop**
- **Twinning action for enhancing capacity and research excellence in holographic telepresence systems as a catalyst of digitalization (HOLOTWIN)**
- **Wireless World Research Forum (WWRF)**

CGC (CTIF Global Capsule) started its journey in 2004 as the Centre for TeleInfrastructure (CTIF) which now stands as Core TeleInFrastructure. Since 2015, this legacy was gradually embraced to transform the sturdy network into an Internationally non-profit association. Today, CGC has been gaining the internationally acclaimed recognition for its activities. Officially, it has been inaugurated at Villa Mondragone, Rome, Italy on October 28, 2015, and legally registered in March 2016. CGC has several Divisions all over the world supporting the Global Network activities. CGC provides an international platform for the purpose to strengthen international and cross-/multi-/inter-disciplinary research and business development. The Information, Communication and Technology (ICT) sector has been the main focus for CGC since its inauguration in 2004. As ICT technologies rapidly evolve and security concerns continuously change, the multidisciplinary and interdisciplinary approach to research, education and business model innovation of CGC have enabled it to keep pace with emerging issues. Currently, a strong



emphasis is given to aspects such as security, eHealth, Green ICT, cybercrime, Multi Business Model Innovation (MBMI) and Digitalization, etc.

BIT Sindri is the premier Engineering College of Jharkhand state in India. BIT Sindri is a public Institute controlled and managed by the Department of Science and Technology, Government of Jharkhand, Ranchi, India. The institute was established in the year 1949 and is affiliated to Vinoba Bhave University (VBU). The alumni of BIT Sindri organizes an international event each year since 2016. The first event was held in Delhi, the second one in Dubai, the third event in Goa, the fourth event in Herning, Denmark and the fifth event will also be in Herning as hybrid (virtual physical)

The Global ICT Standardization Forum for India (GISFI) is an Indian standardization body active in the area of Information and Communication Technologies (ICT) and related application areas, such as energy, telemedicine, wireless robotics, biotechnology. GISFI is an effort to create a new coherence and strengthen the role of India in the world standardization process by mapping the achievements in ICT in India to the global standardization trends. Further, GISFI is focused on strengthening the ties among leading and emerging scholars and institutions in India and the world; to develop and cultivate a research and development agenda for the field.

CENTRAL Project aims at developing and implementing academic educational curricula with an international orientation in content and form, aimed at preparing students for performing (professionally/socially) in a global and multicultural context and designed for domestic and/or foreign (international) students. CENTRAL is aimed at enabling employability, internationalisation and interdisciplinary engagement of students and graduates, as well as research staff. The goal is to modernize existing infrastructure in Asian universities by developing and implementing appropriate support software tools and to create new curricula in the fields of ICT, which are expected to grow exponentially in the next years and train and educated with skilled personnel.

The GreenBizz project aims to increase business potentials and competences by developing the workforce of the companies to boost growth and employment around the green economy. The purpose of the GreenBizz project, through digitization, is to maintain, streamline and make better use of its material created through innovation in start-ups and SMEs as well as the processes and environments associated with them that focus on green business models

HOLOTWIN project is a University twinning action for enhancing capacity and research excellence in holographic telepresence systems as a catalyst of digitalization. The twinning will activate a process of knowledge transfer towards the Technical University of Sofia (Bulgaria), which leverages the academic and research excellence at Aarhus University (Denmark), University of Surrey (UK) and Hellenic American University/Hellenic American College (Greece) in this area of research. The plan of activities includes staff exchanges, brainstorming meetings, research and entrepreneurship workshops, the start of new EU- and nationally funded joint research projects for doctoral students, cross-functional mentoring, training and summer schools.

The Wireless World Research Forum (WWRF) is the place where the global wireless research community meets to explore and develop the research challenges that confront us as we look beyond current 5G deployments. The ongoing effort to roll out 5G technologies, and the ongoing debate on how to meet the requirements of the various vertical industries that will make use of 5G are also being studied, with WWRF members closely involved in all these discussions, and publications such as our Outlook series are a good guide to them. But the mission of WWRF is to look beyond current technology and businesses to identify the key research trends that will impact our world in the next 5-10 years. With over 50 members from across 4 continents, WWRF brings together a wide range of industry and academic players, and has a particular focus on the contribution of newly emerging market sectors and developing regions.

Final Program

Monday, June 21, 2021 (Joint Program 7-IN-1)

<ul style="list-style-type: none"> • 17th CGC Annual Workshop • 5th BIT (Biswa Institute of Technology) SINDRI ASSOCIATION (BITSA) International World Connect • 37th GISFI GSSM • 2nd International Conference of CENTRAL • 2nd GreenBizz Workshop • Holotwin • Wireless World Research Forum (WWRF) 	
09:00-11:10	Session: 1 Opening and Introduction
09:00-09:10	Welcome and Introduction to CGC: Ramjee Prasad, CGC, Aarhus University, Herning, Denmark
09:10-09:20	Introduction to BITSA: Dharmendra Kumar Singh, BIT Sindri, India
09:20-09:30	Introduction to GISFI: Sandeep Inamdar, Vishwaniketan, India
09:30-09:40	Introduction to CENTRAL: Alben Mihovska, CGC, Aarhus University, Herning, Denmark
09:40-09:50	Introduction to GREENBIZZ: Peter Lindgren, CGC, Aarhus University, Herning, Denmark
09:50-10:00	Introduction to HOLOTWIN: Vladimir Poulkov, Technical University of Sofia, Bulgaria
10:00-10:10	Introduction to WWRF: Nigel Jefferies, Chair WWRF
10:10-10:25	Guest of Honour: Pooja Kapur, Indian Ambassador to Denmark, Copenhagen, Denmark (TBC)
10:25-10:40	Guest of Honour: Freddy Svane, Danish Ambassador to India, New Delhi, India
10:40-11:00	Chief Guest: Krishna Pal Singh, Holtec International, USA
11:00-11:10	Vote of Thanks: Anders Frederiksen, Aarhus University, Herning, Denmark
11:10-11:25	Coffee Break
11:25-12:40	Session 2: Keynote Session
	Session Chair: Meqhele Dlodlo, NUST, Zimbabwe
	Speakers:
11:25-11:40	“Health Research for Vital Signs Monitoring” Walter Weigel, Huawei, Belgium
11:40-11:55	“Back-to-Future: Part 2” Anand R. Prasad, Wenovator, Japan
11:55-12:10	“Energetic improvement of buildings is good for the economy and climate” Walter Konhäuser, Oktett64 GmbH, Germany
12:10-12:25	“Connected and Automated Mobility (CAM) Challenges and Opportunities” Jorge Pereira, European Commission, Brussels, Belgium
12:25-12:40	“The role of context-aware Edge computing on supporting large-scale people-centric IoT environments” Rute Sofia, fortiss - Research Institute of the Free State of Bavaria, Germany
12:40-13:40	Session 3: HOLOTWIN Project
	Session Chair: Vladimir Poulkov, Technical University of Sofia, Bulgaria
	Speakers:
12:40-12:55	“Next Generation Applications and Services Enabled over 6G Connectivity Network” Alben Mihovska, CGC, Aarhus University, Denmark
12:55-13:10	“Semantic knowledge extraction based on deep architectures for context-aware holographic communication” Agata Manolova, Technical University of Sofia, Bulgaria
13:10-13:25	“Fostering entrepreneurial and innovation skills in a lifelong learning perspective and increasing HEIs innovation capacity” Didoe Prevedourou, HAEC, Greece
13:25-13:40	“Networking for Real-Time Holographic Teleportation Applications” Ning Wang, University of Surrey, UK
13:40-14:05	Lunch Break
14:05-15:35	Session 4: CENTRAL
	Session Chair: Sandeep Inamdar, Vishwaniketan, India
	Speakers:
14:05-14:20	“Online PBL Model and Blended Learning: New Strategy for Disruptive Era of Education” Punnarumol Temdee, MFU, Chiang Rai, Thailand
14:20-14:35	“Effectiveness of Participants interest in “New Product Design and Development”” Bhawani Chowdhry, MUET, Pakistan
14:35-14:50	“Human Centric Design approach: A tool for creating sustainable start-ups” Vikas Shinde, Vishwaniketan, India
14:50-15:05	“Title of Presentation: Building capacity of Institutes through Teacher education and Academic partnerships” Mahesh Chavan, KIT, India

15:05-15:20	“Framework for Integrating Graduate Attributes (GAs) of Washington Accord with Sustainable Development Goals (SDGs)” Muhammad Aamir, SSUET, Pakistan,
15:20-15:35	“GIVING A GIFT OF 5 MINUTES FOR MINDFUL RELAXATION TO ACHIEVE PEACE OF MIND & WELLNESS OF BODY” Bhawani Chowdhry, MUET, Pakistan
15:35-15:50	Coffee Break
15:50-17:35	Session 5: WWRF Session on Privacy & Security Challenges in emerging environments
	Session Chair: Knud Eric Skouby, Aalborg University, Denmark
	Speakers:
15:50-16:05	“Privacy, security and economics in WWRF” Knud Eric Skouby, Aalborg University, Denmark
16:05-16:20	“Privacy activities at the Danish Society of Engineers (IDA)” Grit Munk, Danish Society of Engineers, Denmark
16:20-16:35	“DPO as a service for SMEs” Anne Lykke Lundholm-Andersen, Lundholm & Co
16:35-16:50	“Privacy issues in the Baltic States – DINNOCAP project” Idongesit Williams, Aalborg University, Denmark
16:50-17:05	“Introduction to Working Group Cybersecurity and Cybersecurity challenges in 5G Verticals” Samant Khajuria, Terma A/S, Denmark
17:05-17:20	“Role of CNS in Standardization Circular economy to achieve harmony with nature and the role of Privacy” Aaloka Anant, SAP Ireland
17:20-17:35	“Security in a mobile world” Jens Myrup, Aalborg University, Denmark
17:35-19:05	Session 6: CGC
	Session Chair: Shingo Ohmori, YRP, Japan
	Speakers:
17:35-17:50	“Digital workflow in dentistry” Yasser Haddadi, The Institute of Dentistry and Oral Health, Denmark
17:50-18:05	“My Smart World: Life (after..) beyond lockdown” Neeli Prasad, Smart Avatar, Delft, The Netherlands
18:05-18:20	“Barriers & opportunities in the Healthcare industry and the Covid-19 catalyst” Sofoklis Kyriazakos, CGC, BTECH AU, Denmark
18:20-18:35	“Use Cases and Emerging Technologies for 6G Networks” Mahasweta Sarkar, San Diego State University, San Diego, USA
18:35-18:50	“5G for Emergency Services - Challenges and Risks” Geir M Køien, USN, Norway
18:50-19:05	“6G for Digital Inclusion and SDGs: Road to Rural and Remote Connectivity” Sudhir Dixit, WWRF, USA

Tuesday, June 22, 2021

09:00-11:45	Session 7: GISFI
	Session Chair: Tilak Raj Dua, GISFI, India
	Speakers:
09:00-09:15	“Human Body Wireless Communications” T. Rama Rao, SRM Institute of Science & Technology, Chennai, India
09:15-09:30	“C5 (Creativity, Contentment, Confidence, Calmness & Concentration) Concept: A Holistic Approach for Evaluation of Human Wellbeing” Smita Chandra, CGC, Denmark
09:30-09:45	“AI Driven 6G: A New Frontier for Multisensory Communication” Vandana Rohokale, SIT, India
09:45-10:00	“Smart Body Area Network – Standardization” Dinesh Chand Sharma, Director – Standards & Public Policy, EU Project SESEI
10:00-10:15	“5G: Challenges and Enabling Technologies” Preetam Kumar, IIT PATNA INDIA
10:15-10:30	“The Energy of Mind” Sudhanshu Shekhar Jamuar & Chandrika Prasad, BITSA, India
10:30-10:45	“Data-driven Business Model Innovation for 5G & Beyond” Sriganesh Rao, Calligo Technologies, India
10:45-11:00	“Effect of EM Radiation from Radio Frequency Sources on Chitta-Kaya” Ashok Chandra, GISFI, India

11:00-11:15	<i>"Sensors for Internet of Every Things (IoE)" Dnyaneshwar Mantri, SIT, India</i>
11:15-11:30	<i>"Relevance of India standard 5Gi based on LMLC (Low Mobility Large Cell)" Satya N Gupta, GISFI, India</i>
11:30-11:45	<i>"Societal aspects of ICT Developments" Pawan Garg, GISFI, India</i>
11:45-12:20	Lunch Break
12.20-14.05	Session 8: GreenBizz
	Session Chair: Peter Lindgren, CGC, Denmark
	Speakers:
12:20-12:35	<i>"The Era of Industry 5.0 –Technologies from No Recognizable H-M Interface to HeartyTouch Personal Products" Kapil Dev, Trinity College Dublin, Ireland</i>
12:35-12:50	<i>"6G Networks for Next Generation of Digital TV beyond 2030" Paulo Sergio Rufino Henrique, Spideo, France</i>
12:50-13:05	<i>"Virtualized, Open and Intelligent: The Evolution of the Radio Access Network" Vladimir Poulkov, Technical University of Sofia, Bulgaria</i>
13:05-13:20	<i>"Taking VLC technology from the lab to the market" Ana Garcia Armada, University Carlos III Madrid, Madrid, Spain</i>
13:20-13:35	<i>"5G antenna optimization" Pavlos Lazaridis, University of Huddersfield, UK</i>
13:35-13:50	<i>"Radios as Sensors for Smart Life" Ernestina Cianca, University of Rome Tor Vergata, Italy</i>
13:50-14:05	<i>"CGC: An Inclusive Knowledge Home Nurturing Innovation for and with Society" Didoe Prevedourou, HAEC, Greece</i>
14:05-14:20	Coffee Break
14.-20-15:50	Session 9: BITSA
	Session Chair: Ramesh Yadava, BITSA, USA
	Speakers:
14:20-14:35	<i>"Standardization for harmony via CKNS" Vishwanath Sinha, BISTA, India & Ramjee Prasad, CGC, Aarhus University, Denmark</i>
14:35-14:50	<i>"AI/ML-Enabled Connected Vehicles" Seshadri Mohan, University of Arkansas at Little Rock, USA</i>
14:50-15:05	<i>"Innovations & Commercialization of Green Hydrogen Revolution in the world and arriving to the standardization for that future" Prafull Kumar, BISTA, USA</i>
15:05-15:20	<i>"Volume analysis for Dynamic Environments" Chandan Kumar, Iowa State University, USA</i>
15:20-15:35	<i>"Implementation of Networked Technologies and Smart Manufacturing during COVID-19 Pandemic" Prakash Kumar, BIT SINDRI, India</i>
15:35-15:50	<i>"MACHINE LEARNING – WHOSE TIME HAS COME" Uma S. Jha, L3Harris Technologies, USA</i>
15:50-17:50	Session 10: Sustainable Green Technology
	Session Chair: Torben Andersen, Aarhus University, Denmark
	Speakers:
15:50-16:05	<i>"Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts" H. Vincent Poor, Princeton University, Princeton, USA</i>
16:05-16:20	<i>"What time is it? Who Cares? Why?" fred harris, University of California San Diego, San Diego, USA</i>
16:20-16:35	<i>"Evolution of Modulation and Coding for Current Wireless Systems" Sandip Sarkar, Sesovera, USA</i>
16:35-16:50	<i>"Title: Minimal-Latency Green Communication for 6G" Kwang-Cheng Chen, University of South Florida, USA</i>
16:50-17:05	<i>"Integrated Sensing and Communication in 6G: Applications and Technology Challenges". Vinod Kumar, WWRP, France</i>
17:05-17:20	<i>"Printed Electronics Technology: promising next-generation devices" Shweta Agarwala, Aarhus University, Aarhus, 8200, Denmark</i>
17:20-17:35	<i>"Key research issues towards investigations on multiple access scheme for 5G and beyond communication systems" Sanjay Kumar, Birla Institute of Technology Mesra, India</i>



17:35-17:50

“Security in SDN/NFV and 5G Networks – Opportunities and Challenges”
Ashutosh Dutta, Johns Hopkins University, USA

