



National Conference (ONLINE)
On
“Sustainable Materials and Practices for Infrastructure Development” (SMPID-2020)

17-18 September, 2020, GCEK, Bhawanipatna, Odisha, India

Organized by
CIVIL ENGINEERING DEPARTMENT,
GOVERNMENT COLLEGE OF ENGINEERING KALAHANDI, BHAWANIPATNA

Inaugural Ceremony: 17-09-2020, THURSDAY TIME-10.00 AM

SESSION LINK

<https://govtcollegeofeng.webex.com/govtcollegeofeng/j.php?MTID=m89bd1420cf25b6a8e05197d3ddbc688e>

PROGRAMME		
Time	Activity	Delegates Name
10:00am -10:05am	Welcome Address by the Convenor, SMPID-2020	Prof. G. C. Behera, Associate professor (CE), GCE, Kalahandi
10:10am -10:15am	Presidential Address	Prof. D. Patnaik Principal GCE, Kalahandi
10:15am -10:20am	Address by HOD, Civil Engineering, GCE, Kalahandi	Prof. K. C. Panda Professor & Head (CE), GCE, Kalahandi
10:20am-10:25am	Inaugural Address	Prof. C. R. Tripathy Vice Chancellor, Biju Patnaik University of Technology, Odisha
Release of Conference Proceedings (e-Abstracts) by the Guests		
10:25am -10:30am	Address by Distinguished Guest	Dr. A. K. Nayak Joint Secretary to Government, Skill Development & Technical Education, Govt. of Odisha
10:30am -10:35am	Address by Guest of Honour	Prof. Antaryami Mishra State Project Administrator, SPIU, Odisha
10:35am -10:40am	Address by Guest of Honour	Prof. S. K. Barai Director, BITS Pilani
10:40am -10:45am	Address by Principal, GCoE Jalgaon (Mentor Institute)	Prof. R. D. Kokate Principal, GCoE, Jalgaon, Maharastra
10:45am - 10:55am	Vote of thanks	Prof. J. K. Naik, Asst. Professor (CE) & Co-Convenor, SMPID-2020, GCE, Kalahandi

National Conference (ONLINE)
On
“Sustainable Materials and Practices for Infrastructure Development” (SMPID-2020)
17-18 September, 2020, GCEK, Bhawanipatna, Odisha, India

Organized by
CIVIL ENGINEERING DEPARTMENT,
GOVERNMENT COLLEGE OF ENGINEERING KALAHANDI, BHAWANIPATNA

Track Schedule – STRUCTURE – Day-1 (17th September, 2020 Thursday) SESSION-1

Keynote speaker: Prof. S. K. Barai, Director, BITs Pilani, (11 AM - 11.30 AM)

&

Prof. R. P. Nanda, Associate Prof. NIT Durgapur, (11.30 AM - 12.00 NOON)

Session Chair: Prof. B. Basa, Associate Prof. SOA University (12.00 NOON - 1.45 PM)

SESSION LINK

<https://govtcollegeofeng.webex.com/govtcollegeofeng/j.php?MTID=m89bd1420cf25b6a8e05197d3ddbc688e>

THEME	SUB-THEME	SESSION ID	SESSION DATE/DAY /TIME	PAPER ID	TITLE	AUTHORS
Sustainable Materials and Practices for Infrastructure Development	STRUCTURE	CE17-STR-01	17 TH September, 2020, Thursday, 11.00 AM-1.45 PM	STR-501	Self-Healing Bacterial Concrete: A Literature Study	S. Upadhyayaa, P. Behera and D. Rohidas
				STR-503	Evaluation of Strength Deterioration Factor on Blended Concrete Exposed to Magnesium Sulphate Solution	T. Jena and K. C. Panda
				STR-504	Fly-Ash Enriched Earthen Un-Burnt Bricks for Low-Cost Housing	J. Jena, C. Sahoo and K. S. Singh
				STR-505	A Review on the Bacterial Concrete Properties	S. Jena, B. Basa and K. C. Panda
				STR-506	Compressive Strength of Mortar with Alkali Activated Flyash and Ground Granulated Blast Furnace Slag	S. Panda, R. Panigrahi and M. L. Narasimham
				STR-507	Advances in Seismic Strengthening Materials and Techniques	S. Mahadik , L. Mahajan and S. R. Bhagat
				STR-508	Studies on Influence of Mineral Admixtures on Mechanical Properties of CC and SCC	S. S. Pradhan and K. C. Panda

National Conference (ONLINE)
On
“Sustainable Materials and Practices for Infrastructure Development” (SMPID-2020)
17-18 September, 2020, GCEK, Bhawanipatna, Odisha, India

Organized by
CIVIL ENGINEERING DEPARTMENT,
GOVERNMENT COLLEGE OF ENGINEERING KALAHANDI, BHAWANIPATNA

Track Schedule – TE-ENV- Day 1 (17th September, 2020 Thursday) SESSION-2

Keynote Speaker: Prof. B. B. Das, Associate Prof., Civil Engg. Dept., NIT Surathkal, (2.30PM - 3.15 PM)

Session Chair: Prof. S. S. Das, Prof., Civil Engg. Dept., VSSUT, Burla (3.15 PM to 5.00 PM)

SESSION LINK

<https://govtcollegeofeng.webex.com/govtcollegeofeng/j.php?MTID=m2a86ae185ac0508bcac655e36eb38010>

THEME	SUB-THEME	SESSION ID	SESSION DATE/DAY /TIME	PAPER ID	TITLE	AUTHORS
Sustainable Materials and Practices for Infrastructure Development	Sustainable Pavement Materials/ Design	CE17-TE-ENV-02	17 TH September, 2020, Thursday 2.30 PM to 5.00 PM	TE-301	Influence of Natural Fibers as Additives on Characteristics of Stone Mastic Asphalt	P. Parimita
				TE-302	Modification of Bitumen using Sustainable Materials for Pavement Design	S. S. Das, D. Giri and H. K. Behera
				TE-303	Modification of Engineering Properties of Expansive Clayey Soil using Lime Stabilization for Construction of Service Road	J. Behera
				TE-304	Construction and Design of Percolating Embankment: A State of Art and Review	S. Subhadarsini, D.Giri and S. S. Das
				TE-305	Energy Conservation of Speed Breaker with Suitable Design	A. T. Tripathy and S. K. Tripathy
	Environmental Engg./ Urban Water Treatment and Sewage Systems			ENV-201	Treatment of Industrial Waste Water using Single-Stage Rotating Biological Contactor	L. Subhadarsini and R. R. Dash
				ENV-204	Effects of Sulphates on the Characteristics of Ordinary Portland Cement	G. Aditya, V. M. Reddy and N. K. Gupta
				ENV-205	Bio-Cementation Process in the Concrete using Bacillus subtilis: A statistical modeling study.	D. Patnaik, A. K. Verma, S. Panda and N. K. Sahoo

National Conference (ONLINE)
On
“Sustainable Materials and Practices for Infrastructure Development” (SMPID-2020)
17-18 September, 2020, GCEK, Bhawanipatna, Odisha, India

Organized by
CIVIL ENGINEERING DEPARTMENT,
GOVERNMENT COLLEGE OF ENGINEERING KALAHANDI, BHAWANIPATNA

Track Schedule – Structural Engineering – Day-2 (18th September, 2020, Friday) SESSION-3

Keynote Speaker: Prof. C. B. K. Rao, Prof., Civil Engg. Dept., NIT Warangal (10.00 AM - 10.45 AM)

Session Chair: Prof. R. P. Nanda, Associate Prof., Civil Engg. Department, NIT Durgapur (10.45 AM to 1.00 PM)

SESSION LINK

<https://govtcollegeofeng.webex.com/govtcollegeofeng/j.php?MTID=m82cf11ba77ab3ef05070f74477048bca>

THEME	SUB-THEME	SESSION ID	SESSION DATE/DAY /TIME	PAPER ID	TITLE	AUTHORS
Sustainable Materials and Practices for Infrastructure Development	STRUCTURE	CE18-STR-03	18 th September, 2020, Friday, 10.00 AM-1.00 PM	STR-509	Geosynthetic as Sustainable Materials for Earthquake protection of Masonry Buildings	H. A. Khan, B. Behera and R. P. Nanda
				STR-510	An Experimental Study on Self Compacting Concrete using Tyre Rubber and Recycled Aggregate	M. Mishra and K. C. Panda
				STR-511	Thermal Power Plant Waste By-Product and its Utility in Concrete	S. R. Bhagat and L. S. Mahajan,
				STR-512	Investigation of Fly Ash Concrete by Slump Cone and Compaction Factor Test	L. S. Mahajan, S. Mahadik and S. R. Bhagat
				STR-513	Characterization of Alkali Activated Bentonite - Fly Ash as Brick Material	P. P. Rout and L. Garanayak
				STR-514	Physical Analysis of different Brand of Cement available in the Market and Effect of Sugarcane Bagasse Ash on the Cement Mortars	P. R. Chhatraia and P. Sahu
				STR-515	Mechanical Properties of Concrete with Sintered Fly Ash Aggregate as Substitute of Natural Fine Aggregate	B. Basa, N. Pradhan and L. P. Parhi
				STR-516	Determination of SSUT of HSC Beams with WASPAS Method	G. C. Beherad and S. Panda

National Conference (ONLINE)
On
“Sustainable Materials and Practices for Infrastructure Development” (SMPID-2020)
17-18 September, 2020, GCEK, Bhawanipatna, Odisha, India

Organized by
CIVIL ENGINEERING DEPARTMENT,
GOVERNMENT COLLEGE OF ENGINEERING KALAHANDI, BHAWANIPATNA

Track Schedule – Geotechnical Engineering – Day-2 (18th September, 2020, Friday) SESSION-4

Keynote Speaker: Prof. S. K. Das, Professor & Head, CE Dept., IIT Dhanbad (2.30 PM - 3.15 PM)

Session Chair: Prof. D. Giri, Associate Prof., VSSUT Burla (3.15 PM - 5.30 PM)

SESSION LINK

<https://govtcollegeofeng.webex.com/govtcollegeofeng/j.php?MTID=m57571bb8a432699738e75314a10c45e4>

THEME	SUB-THEME	SESSION ID	SESSION DATE/DAY /TIME	PAPER ID	TITLE	AUTHORS
Sustainable Materials and Practices for Infrastructure Development	Geotechnical Engineering	CE18-GT-04	18 th September, 2020, Friday, 2.30 PM to 5.30 PM	GT-102	Effect of Stone Dust and Lime in the Geotechnical Properties of Clayey Soil	R. Samal and A. Mishra
				GT-103	Geopolymerization of Bauxite Residue to use as Construction Material – A Review	A. Bandopadhyay and D. Giri
				GT-107	MDD & OMC of Black Cotton Soil Reinforced with Randomly Distributed Banana Fibers	L. B. Patil, and S. S. Pusadkar
				GT-108	Study of Load & Settlement Behaviour of Expansive Soil Reinforced with Granular Pile using Natural Aggregates	M. J. Rituparna and B. Sultana
				GT-109	Erosion Studies and Rehabilitation of Beach along West Coast of India	P. K. Suresh, R. Sundaravadivelu and M. S. Nadesan
				GT-110	Stress-Strain Response of Compacted Pond Ash Reinforced with Stone Column	J. K. Naik
				GT-111	Evaluation of Liquefaction Potential of Coastal Alluvium using SPT Data - A Comparative Case Study	P. K. Muduli , P. Karna and M. R. Samal
				GT-112	Statistical and Time series Analysis of Ground Water Parameters of Kalahandi District, Odisha, India	M. Patnaik and M. Priyadarshini

National Conference (ONLINE)
On
“Sustainable Materials and Practices for Infrastructure Development” (SMPID-2020)
17-18 September, 2020, GCEK, Bhawanipatna, Odisha, India

Organized by
CIVIL ENGINEERING DEPARTMENT,
GOVERNMENT COLLEGE OF ENGINEERING KALAHANDI, BHAWANIPATNA

Valedictory Session: 18-09-2020, FRIDAY TIME- 5.30 PM to 6.15 PM

SESSION LINK

<https://govtcollegeofeng.webex.com/govtcollegeofeng/j.php?MTID=m57571bb8a432699738e75314a10c45e4>

PROGRAMME		
Time	Activity	Delegates Name
5:30pm - 5:40pm	Address by the Convenor, SMPID-2020	Prof. P. K. Muduli, Associate professor (CE), GCE, Kalahandi
5:40pm - 5:45pm	Remarks by Expert (Academic)	Prof. S. K. Das, Professor & Head, Civil Engineering Department, IIT, Dhanbad
5:45pm - 5:50pm	Remarks by Expert (Industry)	Mr. Syed Asif Noor Commercial & Contracts Manager, United Mechanical Electromechanical LLC, Dubai, UAE
5:50pm - 5:55pm	Address by TEQIP-III Co-ordinator, GCE, Kalahandi	Prof. C. R. Dash, Head, Department of Basic Science, GCE, Kalahandi
5:55pm - 6:00pm	Valedictory Remarks by Expert (Industry)	Mr. Abani Prasad Mishra, Vice President & Head, Commercial Contracts & Regulatory, GMR Group, Energy Sector
6:00pm - 6:10pm	Vote of thanks	Prof. S. K. Sahu, Asst. Professor (CE) & Co- Convenor, SMPID-2020 GCE, Kalahandi

Dear Sir/Madam,

Greetings from SMPID-2020!!

We are happy to inform you that your **Registration has been confirmed** for Online National Conference on “**Sustainable Materials and Practices for Infrastructure Development (SMPID-2020)**” scheduled on 17th & 18th Sept, 2020.

Please install **Cisco WebEx Meeting** app in your laptop/Smartphone/tab using the below link with step wise guidance and join all the four sessions on 17th & 18th Sept, 2020.

Steps to be followed for signup & download **WebEx meeting**:

Step 1:

Sign up to Cisco WebEx meeting

<https://cart.webex.com/sign-up>

Step 2:

Steps to download cisco WebEx meeting App

<https://www.webex.com/downloads.html>

OR

For Windows

Link to download the setup file: <https://akamaicdn.webex.com/client/webexapp.msi>

For Android

<https://play.google.com/store/apps/details?id=com.cisco.webex.meetings>

Step 3:

Double-click the webexapp.msi file you downloaded

Step 4:

The Webex Meetings setup wizard will launch. Follow the instructions to set up.

Step 5:

Once installed the app will launch automatically.

To open the app double-click the Webex Meetings icon on your desktop.

ONLINE NATIONAL CONFERENCE RULES FOR PARTICIPANTS

1. You are requested to join the session at 10 to 15 min. prior to scheduled time. We suggest you do not delay to join the session in order to avoid last minute rush.
2. There will be **Youtube live streaming**. Link of youtube streaming will also be communicated to each by e-mail and WhatsApp group **1 hour before the schedule time**.
3. As soon as you log into the platform by using the link, **kindly mute yourself and also switch off your video** to preserve bandwidth.
4. No questions are allowed during presentation. At the end of the presentation, if you want to ask question, you can post your question using the chat box. Kindly do not speak unless you are asked to do so.
5. Attendance will be taken at the end of each session.

Please find the brochure, leaflet and program schedule of SMPID-2020 attached herewith.

Join the WhatsApp groups for instant updates, easy access to links of Webex Meeting, Youtube links and Feedback form.

Stay Safe Stay Healthy

Thanks, and Regards,

Team, SMPID-2020

Department of Civil Engineering,

Government College of Engineering Kalahandi, Bhawanipatna