







**NEW TRENDS IN** 

# **CIVIL ENGINEERING**

University of Central Punjab-NESPAK

Conference Schedule



8:30 AM - 9:45 AM

# A World of New Ideas

merenee Buy One 20 Mai 2023

### **Inaugural Session (Venue: Auditorium Hall)**

**Registration and Reception** 

11:15- 11:45	Tea Break and Group Photo
11:05- 11:15	Distribution of Shields
10:55 – 11:05	Address by Pro-Rector UCP: Prof. Dr. Nassar Ikram, HI(M) SI(M)
10:40 – 10:55	Keynote Speaker: Dr. Sana Amir, University of Wollongong
10:25 – 10:40	Inaugural Address by Chief Guest: Dr. Tahir Masood, MD NESPAK
10:20 – 10:25	Address by Conference Vice-Chairman: Prof. Dr. Kafeel Ahmad
10:15 – 10:20	Address by Conference Co-Chairman: Engr. Sohail Kibria
10:05 – 10:15	Welcome Address by Conference Chairman: Prof. Dr. Muhammad Rizwan Shad
10:00 – 10:05	Recitation of the Holy Quran and National Anthem

## **Technical Session 1 (Venue: Auditorium Hall)**

Session Chair:	Prof. Dr. Zahid Ahmad Siddiqi	Session Co-chair: Dr. M. Awais Shafique
11:45 – 12:05	Keynote Speaker: Dr. Sergi Saurí March	án, Director CENIT, Spain
12:05 – 12:20	Paper Presentation: "Cracks in struct causes and mitigation" by Engr. Sohail	ures due to Geotechnical reasons identification, Kibria
12:20 – 12:35	•	Investigation, and upscaling of Construction acement Material" by Dr. Irfan ul Hassan.
12:35 – 12:50	Industrial Field Talk: "Diamer-Bhasha Hayat	Dam: Game Changer for Pakistan" by Dr. Tahir
12:50 - 01:05	Paper Presentation: "Development of Brick" by Dr. Khurram Rashid	One-Part and Two-Part slag based Geopolymer

01:05 – 01:20 Industrial Field Talk: "Designers' Prime Focus on the Basics – A casualty of the Explosion of Digital Computational Power" by Engr. Rizwan Mirza
01:25 – 01:35 Industrial Field Talk: "Climate Change Impact Assessment-A Case Study of Mohmand Dam Project" by Engr. Shariq Ahmad
01:35 – 01:50 Question and Answer Session
01:50 – 02:00 Concluding Remarks and Distribution of Shields
02:00 – 03:00 Lunch and Prayer Break

## **Technical Session 2 (Venue: Auditorium Hall)**

Session Chair:	Engr. Rizwan Mirza	Session Co-chair: Dr. Irfan ul Hassan
03:00 - 03:20	Keynote Speaker: Dr. Tarunjit Singh Butalia, Ohio State University, USA	
03:20 – 03:35	Paper Presentation: "Autonomous Perso Awais Shafique.	onal Pods as a replacement for cars" by Dr. M.
03:35 – 03:50	Paper Presentation: "Effect of Specimen Concrete Aggregate" by Dr. Sana Amir.	Type and Size on Strength Properties of Recycled
03:50-04:05	Industrial Field Talk: "Home the Home Ittefaq Construction Associates.	less" by Engr. Hafiz Abdullah Mahmood, CEO,
04:05 - 04:20	•	ping and data analytic to plan and solve day-to- perations" Paper Presentation by Engr. Khubaib ustralia
04:20 – 04:35	Paper Presentation: "Study of Geo-polyr by Dr. Zahid Ahmad Siddiqi	ner Concrete Using Locally Available Materials"
04:35 - 04:50	Question and Answer Session	
04:50 - 05:00	Concluding Remarks and Distribution of S	Shields

### **Technical Session 3 (Venue: Auditorium Hall)**

Session Chair:	Engr. Sohail Kibria, NESPAK	Session Co-chair: Dr. Muhammad Babur
10:00 – 10:20	Keynote Speaker: Dr. Askar Zhussupbekov, University, Kazakhstan	Professor, L.N.Gumilyov Eurasian National
10:20 – 10:35	Paper Presentation: "Decision Making for Susand MCDM Integration" by Engr. Khadija Mav	,
10:35 – 10:50	Paper Presentation: "Comparison of Compact Using Treated Wastewater and Tap Water" by	•
10:50- 11:05	Industrial Field Talk: "Introduction to BIM, challenges in Pakistan" by Muhammad Zain N	
11:05 – 11:20	Question and Answer Session	
11:20 - 11:30	Concluding Remarks and Distribution of Shield	ds
11:30 - 12:00	Tea Break	
Task visal Cassian A Barallal Cassian (Vanues Auditarium Hall)		

### **Technical Session 4 Parallel Session (Venue: Auditorium Hall)**

Session Chair:	Dr. Javed Uppal	Session Co-chair: Dr. Khurram Rashid
12:00 - 12:15	Keynote Speaker Prof. Dr. Salman Azhar, L	Iniversity of Auburn, USA

- 12:15 12:30 Paper Presentation: "Evaluation of mechanical behavior of concrete with partial replacement of coarse aggregate by recycled coarse aggregate with and without SBR latex." by Engr. Usman Ali
- 12:30 12:45 Industrial Field Talk: "Modern trends of construction materials in Pakistan" by Dr. Wajahat Mirza
- 12:45 01:00 Paper Presentation: "Attribution analysis of runoff change by using SWAT model a case study of Khanpur dam catchment" by Dr. Muhammad Shahid
- 01:00 01:30 Industrial Field Talk: "External developers or When different developers have interests in the same area" by Engr. Olena Alizi, with "Effect of Early Contractor Involvement in Statens Vegvesen Projects" by Engr. Syed Hamza Tariq Bukhari with "Changes in road technology to contribute to sustainability goals" by Engr. Beenash Shahzadi: Viken County Municipality, Norway
- 01:30 01:45 Question and Answer Session
- 01:45 02:00 Concluding Remarks and Distribution of Shields
- 02:00 03:00 Lunch and Prayer Break

#### Parallel Session (Venue: Transportation & Highway Lab)

- Session Chair: Prof. Dr. Muhammad Saeed Shah Session Co-chair: Engr. Muhammad Arshad
- 12:00 12:10 Paper Presentation: "Energy Efficiency Potential of Natural Fiber based Composite Building Material." by Engr. Khadija Mawara.
- 12:10 12:20 Paper Presentation: "Investigation of clay-based Geo-polymers with industrial wastes" by Engr. Noor Yaseen
- 12:20 12:30 Paper Presentation: "Investigating Performance of Asphalt Concrete Using Waste Material as Bitumen Modifier" by Engr. Arfa Tariq
- 12:30 12:40 Paper Presentation: "Sustainable Construction by Using Steel Chips as a Partial Replacement of Cement" by Engr. Asad ur Rehman
- 12:40 12:50 Paper Presentation: "Cost-Effective Energy Efficient Practices for an Existing Residential Building" by Engr. Mahnoor Arif
- 12:50 01:00 Paper Presentation: "Battling Environmental Pollution in Lahore: The Importance of a Sustainable Transportation System" by Engr. Muhammad, Momin Amer
- 01:00 01:10 Paper Presentation: "Causes of flood its damages and measures taken by the government: A case study on District Dera Ghazi khan" by Engr. Maria Talib
- 01:10 01:20 Paper Presentation: "Cost comparison of clay bricks and concrete blocks in the residential house: A case study" by Engr. Muhammad Usama
- 01:20 01:30 Paper Presentation: "Design and Cost Comparison of selected long-span structural systems" by Engr. Tanveer Younas
- 01:30 01:45 Question and Answer Session
- 01:45 02:00 Concluding Remarks and Distribution of Shields

### **Technical Session 5 (Venue: Auditorium Hall)**

- Session Chair: Dr. Wajahat Mirza Session Co-chair: Dr. Khawaja Bilal Ahmed
- 03:00 03:20 Keynote Speaker Engr. Tatiana Tronda, Belarus
- 03:20 03:35 Paper Presentation: "Effect of addition of Waste Engine Oil and Waste Cooking Oil on Engineering properties of a bitumen" by Engr. Wagas Haroon

03:35 – 03:50	Industrial Field Talk: "Efficacy of Safe City Project in improving Urban Management" by Engr. Amir Ashraf
03:50 – 04:05	Paper Presentation: "Building Energy Analysis of a Typical House with Conventional Masonry Walls and Comparison with Cavity Wall Construction" by Engr. Sahar Iftikhar
04:05 – 04:20	Industrial Field Talk: "Smart Construction Solutions" by Engr. Ali Mukhtar (Sr. Manager Projects) Izhar Construction (Pvt) Limited
04:20 - 04:30	Industrial Field Talk: "Launching of Grade 80 Steel & Its Benefits in Pakistan" by Sohaib Afzal Rana, Chief Marketing Officer, FF Steel
04:30 - 04:45	Question and Answer Session
04:45 - 04:55	Concluding Remarks and Distribution of Shields
04:55 - 05:00	Closing Conference Remarks from Conference Vice-Chairman: Prof. Dr. Kafeel Ahmad