



EE: CTBP'24
ENGINEERING EDUCATION:
CHALLENGES, TRENDS, BEST PRACTICES

EE: CTBP'24



D. Serikbayev

EKTU



UNIVERSITI
TEKNOLOGI
MARA

International Conference «Engineering Education: Challenges, Trends, Best Practices (EE:CTBP)»

PROGRAM

October 3-4, 2024



Ust-Kamenogorsk

Pre-Conference Workshops

October 1-2, 2024 (Offline)

Workshop: «Strategic Quality and Project Management: Enhancing Organizational Excellence and Performance»



✓ **Trainer:** Prof. Ts. Dr. Nor Hayati Saad, the Assistant Vice-Chancellor (Strategy), Universiti Teknologi MARA

Location:

Batalov Hall, Room 223
Time: 8:55 - 12:55

Coordinator:

A.M. Zakimova
AZakimova@edu.ektu.kz

Workshop: «Engineering Design Process»



✓ **Trainer:** Ts. Dr. Nik Roselina Binti Nik Roseley, Director, Center of Student Entrepreneurship, Universiti Teknologi MARA


Location:

Batalov Hall, Room 217
Time: 13:55 - 15:50


Coordinator:

A.M. Zakimova
AZakimova@edu.ektu.kz

October 3-5, 2024 (Offline)

| | |
|---|---|
| Workshop: «Applying CDIO Standards in practice» | |
|  | ✓ Trainer: Prof. Sin Moh Cheah, Co-Director of the CDIO Initiative in Asia, Director, Singapore Polytechnic Center for Innovation in Teaching and Learning |
| Location: | Batalov Hall, Room 217 October 3 - 13:55 - 17:45 October 4 - 12:00 - 18:00 October 5 - 12:00 - 18:00 |
| Coordinator: | S.R. Baigereyev sbaigereyev@edu.ektu.kz |

September 5-26, 2024 (Online), October 1-2, 2024

| | |
|---|---|
| Workshop: «Technologies for Sustainable Education» | |
|  | ✓ Trainer: Assoc. Prof. Ts. Dr. Rajermanni Thinakaran, INTI International University & Colleges |
| Location: | Batalov Hall, Room 217 Time: 8:55 - 12:55 |
| Coordinator: | S.K. Kumargazhanova saule.Kumargazhanova@edu.ektu.kz |

October 3, 2024

09:00 - 18:00 - Exhibition of Modern Laboratory, Analytical, and Educational Equipment

Location: Foyer area in front of the Column Hall

Facilitator: A.V. Dzhes (adzhes@edu.ektu.kz)

10:00-13:00 Plenary meeting of the International Conference

«Engineering Education: Challenges, Trends, Best Practices (EE:CTBP)»

Location: Column Hall

Zoom <https://us06web.zoom.us/j/89044571327?pwd=HUQ5cg4co50KDXasxt3fnw4H9wrjq5.1>

Meeting ID: 890 4457 1327

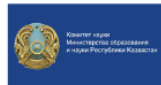
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| | | |
|---------------|---|---------|
| 9:00 - 9:50 | Registration of Participants (via QR code) | |
| 10:00 - 10:05 | Moderator ZHADYRA T. KONURBAYEVA Member of the Board, Vice-Rector for Science and Innovations | Offline |
| 10:05 - 10:15 | Welcome Address by DARKHAN ZH. AHMED-ZAKI Vice-Minister of Science and Higher Education of the Republic of Kazakhstan | Online |
| 10:15 - 10:25 | Welcome Address by SAULE ZH. RAKHMETULLINA Chairman of the Board-Rector of D. Serikbayev East Kazakhstan technical university | Offline |
| 10:25 - 10:35 | GULZHAN S. DZHARASOVA Deputy Chairman, Committee of Higher and Postgraduate Education, Ministry of Science and Higher Education, Kazakhstan | Offline |



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|---------------|--|---------|
| 10:35 - 10:45 | MEIRAM M. BEGENTAYEV Board Chairman – Rector of Satbayev University | Online |
| 10:45 - 11:00 | DR. NOR HAYATI BINTI SAAD Assistant Vice-Chancellor (Strategy) Universiti Teknologi MARA, Malaysia | Offline |
| 11:00 - 11:30 | Keynote Speech by SIN MOH CHEAH Co-Leader, CDIO Asia Region; Center Director SP-CDIO Centre for Innovative Teaching & Learning Singapore Polytechnic, Singapore | Offline |
| 11:30 - 11:40 | NURLAN M. TEMIRBEKOV Vice-president of the National Engineering Academy of the Republic of Kazakhstan, Dr. Phys.-Math.Sci., Academician of NEA and NAS of RK | Online |
| 11:40 - 11:50 | WOOSEUNG KIM PhD, The President of ABEEK, Korea | Online |
| 11:50 - 12:00 | DINA VYORTKINA Assistant Dean for Innovation and Instructional Technology Enhancement, Florida State University, College of Education, Health, and Human Sciences, USA | Online |
| 12:00 - 12:20 | ANATOLY F. VAHGELT PhD, Professor, National Research Tomsk Polytechnic University, Russia | Offline |
| 12:20 - 12:30 | RAJERMANI THINAKARAN Assoc. Prof. Ts. Dr., INTI International University & Colleges, Malaysia | Offline |
| 12:30 - 12:40 | IAN JONATHAN SCOWEN Director, Bridge – Advanced Engineering R&D Centre, University of Lincoln, United Kingdom | Offline |

«Tekemet Creation»





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13:00 - 14:30 - Lunch
Location: Dining hall

14:30 - 17:30 - Excursion to University Centers and Laboratories
Locations: Various University Centers and Laboratories

| Time (min) | Center/Laboratory | Responsible |
|---|---|--|
| 14:30 - 14:50 (20 min) | Center of Competence and Technology Transfer in Construction | Rudenko O.V. |
| 14:50 - 15:10 (20 min) | Competence Center «Smart Engineering» | Azamatov B.N. |
| 15:10 - 15:30 (20 min) | Center for Competence and Technology Transfer in Water Management | Kolpakova V.P. |
| 15:30 - 15:50 (20 min) | Cybersport and Gamification of Education Training Lab | Chettykbaev R.K. |
| 15:50 - 16:10 (20 min) | Altyn Altai Museum | Zaitseva O.V. |
| Transfer to the campus (69 Protozanova street) | | |
| 16:30 - 17:30 (60 min) | Lu-Ban Workshop | Muzdybaev M.S. Oralbek S.K. Meirashev A.K. |

18:00 - Dinner
Location: «Toi Duman» Restaurant





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October 4, 2024

10:00-13:00 - Breakout Sessions:

| Time, room | Section |
|---|--|
| <p>10.00, Column Hall</p> <p>Zoom https://us02web.zoom.us/j/83639795078? pwd=u4Q477bOjboiTJs95ob8oDpiTZiHBl.1</p> <p>Meeting ID: 836 3979 5078 Passcode: 401656</p> | <p>Transformation of Engineering Education for Industrial Development Chairperson: A.M. Zakimova, Candidate of Economic Sciences, Dean of School of Business, D. Serikbayev East Kazakhstan Technical University Session assistant: E. S. Nurekenova, Candidate of Economic Sciences, Professor of School of Business of D. Serikbayev East Kazakhstan Technical University</p> <p>Institutional Trajectories of Engineering and Technology Training Chairperson: Amralinova B. B. Ph.D, associate professor, Director of Institute of Project management, Satbayev University Session assistant: Zhadyra Y. Kiizbayeva senior lecturer of the Department of Management and Mathematical Economics of the Institute of Project Management, Satbayev University</p> |

| Time, room | Section |
|---|---|
| <p>10.00, G 3-211</p> <p>Zoom https://us06web.zoom.us/j/83760084625? pwd=WeSwZtu6F5oSxJGbW4w92iFJntMvjI.1</p> <p>Meeting ID: 837 6008 4625 Passcode: 593030</p> | <p>CDIO International Initiative in Engineering Education Chairperson: O.K. Denissova, Candidate of Economic Sciences, Head of SoP office of D. Serikbayev East Kazakhstan Technical University Session assistant: S.N. Suiubayeva, Candidate of Economic Sciences, Associate Professor of School of Business of D. Serikbayev East Kazakhstan Technical University</p> <p>Engineering Personnel Certification: Issues and Challenges Chairperson: S.R. Baigereyev, PhD, D. Serikbayev East Kazakhstan Technical University Session assistant: G.N. Konarbayeva, Deputy Dean, International School of Engineering of D. Serikbayev East Kazakhstan Technical University</p> |



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| Time, room | Section |
|--|--|
| <p>10.00, Batalov Hall room. 416</p> <p>Zoom https://us02web.zoom.us/j/81086081246?pwd=mvmC44K4WTmM75tOP3tPBytJsKXv3f.1</p> <p>Meeting ID: 810 8608 1246 Passcode: 365992</p> | <p>Current Educational Technologies and Digital Innovations in Engineering Teacher Education Chairperson: Dr. Nor Hayati Saad - Assistant Vice-Chancellor (Strategy) Universiti Teknologi MARA Malaysia, Ts. Dr. Nik Roselina Nik Roseley, Director of the Student Entrepreneurship Center, UiTM Session assistant: D.S. Surova, Candidate of Philosophy, Senior Lecturer of the Language Competence Center of D. Serikbayev East Kazakhstan Technical University</p> <p>Digital Technologies and Artificial Intelligence in Engineering Education Chairperson: S.K. Kumargazhanova, Candidate of Technical Sciences, Professor, School of Digital Technologies and Artificial Intelligence, D. Serikbayev East Kazakhstan Technical University Session assistant: M.A. Rakysheva, Senior Lecturer, School of Digital Technologies and Artificial Intelligence, D. Serikbayev East Kazakhstan Technical University</p> |

13:00-14:00 - Lunch
Location: Dining hall

14:00-15:30 - Closing Ceremony
Location: Column Hall

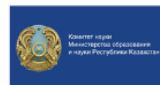
| | |
|---------------|---|
| 14:00 - 14:10 | Ekayev Mukam Head of Nanotechnology and Materials Science, Oguzkhan University of Engineering and Technology, Turkmenistan |
| 14:10 - 14:20 | Closing remarks by Zhadyra Konurbaeva Member of the Management Board, Vice-Rector for Science and Innovations |
| 14:20 - 14:40 | Closing Keynote speech by Dr. Nor Hayati Binti Saad Assistant Vice-Chancellor (Strategy), Universiti Teknologi MARA, Malaysia |
| 14:40 - 15:30 | Summaries by Session Chairs |

15:30-17:30 - City Tour



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