

6th Edition of Applied Science, Engineering & Technology Virtual

April 22 | 07:00 – 13:35 GMT

April 23 | 07:00 – 13:20 GMT

V-ASET2022



07:00 – 07:10

Introduction



Plenary Session

Webinar

Speakers

Time Zone

Time Zone

07:10 – 07:55

09:10 – 19:55

Title: New solutions for storing and using surplus electricity in Methanol

Edgar Harzfeld, Stralsund University, Germany.



Keynote Sessions-1

07:55 – 08:30

16:55 – 17:30

Title: Impact of Through-plane Separator Shape on Heat and Mass Transfer Phenomena in Single Cell of PEFC Operated at Higher Temperature than Usual

Akira Nishimura, Mie University, Japan.

08:30 – 09:05

16:30 – 17:05

Title: Automated Feature-Based Sperm Motility Analyzer System

Nor Ashidi Bin Mat Isa, Universiti Sains Malaysia, Malaysia.

09:05 – 09:40

17:05 – 17:40

Title: On-the-fly Double Reduced Model for Large-Scale Stress Constrained Topology Optimization

Manyu Xiao, Northwestern Polytechnical University, China.

09:40 – 09:50

Networking and Refreshments Break

09:50 – 10:25

17:50 – 18:25

Title: Coagulation-flocculation for wastewater decolorizations
Abu Zahrim Bin Yaser, Universiti Malaysia Sabah, Malaysia.

10:25 – 11:00 18:25 – 19:00

Title: Graphene Antenna Array Using Defected Ground Structure for Isolation and Gain Improvement

Mohd Haizal Jamaluddin, Universiti Teknologi Malaysia, Malaysia.



Invited Sessions

11:00 – 11:20 19:00 – 19:20

Title: Synthesis and purification of copper nanowires for advanced applications

Chin Siew Xian, Universiti Kebangsaan Malaysia, Malaysia

11:20 – 11:40 13:20 – 13:40

Title: Novel Cellulose Materials For Advanced Applications

Paola Costanzo, Università della Calabria, Italy.

11:40 – 12:00 13:40 – 14:00

Title: HBIM approach for historic pavement digitalization and management

Salvatoreantonio Biancardo, University of Naples Federico II, Italy.



Keynote Sessions-2

12:00 – 12:35 14:00 – 14:35

Title: Novel Concept and Technologies of Sustainable Building Design

Juergen Reichardt, University of Applied Sciences, Germany.

12:35 – 13:00 21:35 – 22:00

Title: Additive Manufacturing of Ceramic Component with Fine Microstructures

Soshu Kirihaara, Osaka University, Japan.

13:00 – 13:35 06:00 – 06:35

Title: Intrinsic Intelligence In The Atom

Javad Fardaei, Independent Researcher, USA.



April 23, 2021

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07:00 – 07:10

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Plenary Session

07:10 – 07:55

15:10 – 15:55

Title: 3D ToF Camera Based Face Mask Recognition Using Facial Contour

Yang Yue, Xi'an Jiaotong University, China.



Keynote Sessions

07:55 – 08:30

15:55 – 16:30

Title: Synthesis and Liquid Crystalline Behaviour of New Cyclotriphosphazene Derivatives with Amide and Azo Linkage

Zuhair Jamain, Universiti Malaysia Sabah, Malaysia.

08:30 – 09:05

16:30 – 17:05

Title: Synthesis of Carbazole-Based Conjugated Polymer via Direct Arylation Polymerization

Mohd Sani Bin Sarjadi, Universiti Malaysia Sabah, Malaysia.

09:05 – 09:40

11:05 – 11:40

Title: Varnishing of Modified Wood and Wood Based Composites

Tomasz Krystofiak, Poznan University of Life Sciences, Poland.

09:50 – 10:25

11:50 – 11:25

Title: Implementation issues of collocation methods for fractional differential equations

Angelamaria Cardone, University of Salerno, Italy.

10:25 – 11:00

11:25 – 12:00

Title: Artificial Intelligence for Cyber Security Applications

Farah Jemili, University of Sousse, Tunisia.

11:00 – 11:35

13:00 – 13:35

Title: Equation dependent numerical methods for deterministic and stochastic problems

Dajana Conte, University of Salerno, Italy.



Invited Sessions

11:35 – 11:55

19:35 – 19:55

Title: Strategies For High Yield Cultivation Of Volvariella Volvacea (Bull.) Singer Using Oil Palm Empty Fruit Bunch (Efb) Fiber

Noor Azrimi Bin Umor, UiTM Negeri Sembilan, Malaysia.

11:55 – 12:15

20:55 – 21:15

Title: Modified graphene aerogel supported form-stable phase change materials (PCMs) for smart control of pyroelectric energy harvesting

Chengbin Yu, Seoul National University, South Korea.



e-poster Session

12:15 – 12:25

14:15 – 14:25

Title: Italian Phaseolus vulgaris cultivars as sources of α -amylase inhibitors

Stefania Peddio, Università di Cagliari, Italy.

12:25 – 12:35

20:25 – 20:35

Title: Convolutional Neural Network Models to Detect Multiple Types of Civil Damage

Ching-Lung Fan, Republic of China Military Academy, Taiwan.



Plenary Session

12:35 – 13:20

06:35 – 07:20

Title: The Essential Role of Photosynthesis in Defining Net Zero Carbon Dioxide Emissions for Equilibrium Calculations

Dave White, Climate Change Truth research, USA.

Closing Ceremony