THE 3RD FoITIC PROGRAMME
Campus of ITENAS Bandung, October 28-29, 2021

Time	PROGRAM
	Day 1 (October 28th, 2021, Thursday)

	Link:				
	https://us06web.zoom.us/j/83092422257?pwd=c2J5OWx0bVNFMFZkQjZYaWJ4NXpBQT09				
	Meeting ID: 830 9242 2257				
	Passcode: 352691				
08:00 – 09:00	**Registration and Opening Day 1**				
09:00 – 09:10	**Opening Ceremony (zoom plenary session)** Welcome remark by master of ceremony				
09:10 – 09:20	**Welcome Speech (zoom plenary session)** Dean of Faculty of Industrial Technology, Institut Teknologi Nasional Bandung Jono Suhartono, ST., MT., PhD.				
09:20 – 09:30	**Opening remark (zoom plenary session)** Rector of Insitut Teknologi Nasional Bandung Prof. Meilinda Nurbanasari, Ph.D.				
09:30 – 10:15	**Panel 1 (zoom plenary session)** **Keynote speaker 1**: Dr. Dwi Kurniawan (Institut Teknologi Nasional Bandung) Moderator: Dr. Ir. Caecilia Sri Wahyuning, M.T.				
10:15 – 10:45	**Break Session**				
	PARALLEL SESSION				
	Room 1 **Chairman:** Dr. Dani Rusirawan Dr. Ing. M. Alexin P	**Room 2** **Chairman:** Dr. Waluyo Sofia Umaroh	**Room 3** **Chairman:** Dr. Jono Suhartono Vibianti Dwi P.	**Room 4** **Chairman:** Dr. Lisa Kristiana Irma Amelia D	**Room 5** **Chairman:** Dr. Fahmi Arif Arie Desrianty
10:45 – 11:00	Speaker 1	Speaker 1	Speaker 1	Speaker 1	Speaker 1
11:00 – 11:15	Speaker 2	Speaker 2	Speaker 2	Speaker 2	Speaker 2
11:15 – 11:30	Speaker 3	Speaker 3	Speaker 3	Speaker 3	Speaker 3
12:00 – 13:15	**BREAK**				
13:15 – 13:30	**Opening Remark from FoITIC International Chair** Prof. István Farkas (Hungarian University of Agriculture and Life Sciences)				
13:30 – 14:15	**Panel 2 (zoom plenary session)** **Keynote speaker 2**: Prof. István Farkas (Hungarian University of Agriculture and Life Sciences) Moderator: Dr. Fahmi Arif, ST., MT.				

14:15 – 15:00	**Panel 3 (zoom plenary session)** **Keynote speaker 3**: Dr. Hasan Al Abdulgader (Saudi Aramco) Moderator: Dr. Jono Suhartono, ST., MT.				
15:00 – 15:15	**Break**				
15:15 – 16:00	**Panel 4 (zoom plenary session)** **Keynote speaker 4**: Prof. Zuzana Hlavácová (Slovak University of Agriculture in Nitra) Moderator: Dr. Ing. M. Alexin Putra				
	Room 1 **Chairman:** Prof. István Farkas Dr. Ing. M. Alexin P.	**Room 2** **Chairman:** Prof. István Seres Dr. Waluyo	**Room 3** **Chairman:** Dr. Hasan Al Abdulgader Dr. Jono Suhartono	**Room 4** **Chairman:** Prof. Józef Horabik Dr. Lisa Kristiana	**Room 5** **Chairman:** Prof. Zuzana Hlavácová Dr. Dwi Kurniawan
16:00 – 16:15	Speaker 4	Speaker 4	Speaker 4	Speaker 4	Speaker 4
16:15 – 16:30	Speaker 5	Speaker 5	Speaker 5	Speaker 5	Speaker 5
16:30 – 16:45	Speaker 6	Speaker 6	Speaker 6	Speaker 6	Speaker 6
16:45 – 17:00	Free discussion and networking event				
17:00	Closing 1st day				

Time	PROGRAM
	Day 2 (October 29th, 2021, Friday)
	Link:
	https://us06web.zoom.us/j/82181975861?pwd=MDBtUHVEcmhoMk9yUXNjZXhGREs4QT09
	Meeting ID: 821 8197 5861
	Passcode: 375114
08:00 – 09:00	**Registration and Opening Day 2**
09:00 – 09:45	**Panel 5 (zoom plenary session)**
	Keynote speaker 5: Husnul Azan Bin Tajarudin, Ph.D (Universiti Sains Malaysia)
	Moderator: Fahmi Arif, S.T., M.T., Ph.D.
09:45 – 10:00	**Break Session**

	PARALLEL SESSION				
	Room 1 **Chairman:** Dr. T. Kristyadi Liman Hartawan	**Room 2** **Chairman:** Lita Lidyawati Febrian H.	**Room 3** **Chairman:** Dr. Husnul Azan Vibianti Dwi P.	**Room 4** **Chairman:** Dr. Jasman P. Irma Amelia	**Room 5** **Chairman:** Dr. Fahmi Arif Arie Desrianty
10:00 – 10:15	Speaker 1	Speaker 1	Speaker 1	Speaker 1	Speaker 1
10:15 – 10:30	Speaker 2	Speaker 2	Speaker 2	Speaker 2	Speaker 2
10:30 – 10:45	Speaker 3	Speaker 3	Speaker 3	Speaker 3	Speaker 3
10:45 – 13:30	BREAK				

Time	PROGRAM				
13:30 – 14:15	**Panel 6 (zoom plenary session)** **Keynote speaker 6**: Prof. Józef Horabik (Institute of Agrophysics PAS) Moderator: Dr. Jasman Pardede				
14:15 – 15:00	**Panel 7 (zoom plenary session)** **Keynote speaker 7**: Prof. István Seres (Hungarian University of agriculture and life Sciences) Moderator: Dr. Ing. M. Alexin Putra				
15:00 – 15:15	**Break**				
	Room 1 **Chairman:** Prof. István Farkas Dr. Ing. M. Alexin Putra	**Room 2** **Chairman:** Prof. István Seres Lita Lidyawati	**Room 3** **Chairman:** Prof. Ľubomír Kubik Dr. Jono Suhartono	**Room 4** **Chairman:** Prof. Zuzana Hlavácová Dr. Jasman P	**Room 5** **Chairman:** Prof. Józef Horabik Dr. Dwi kurniawan
15:15 – 15:30	Speaker 4	Speaker 4	Speaker 4	Speaker 4	Speaker 4
15:30 – 15:45	Speaker 5	Speaker 5	Speaker 5	Speaker 5	Speaker 5
15:45 – 16:00	Speaker 6	Speaker 6	Speaker 6	Speaker 6	Speaker 6
16:00 – 16:15	Speaker 7	Speaker 7	Speaker 7	Speaker 7	Speaker 7
16:15 – 16:45	Closing Speech Lead By: Dr. Dani Rusirawan (FoITIC initiator) and Prof. Istvan Farkas (FoITIC International chair)				

	PARALLEL SESSION Day 1 (28th October 2021, Thursday)	
	Speaker 1-3, Room 1-5 (10.45-11.30) and Speaker 4-6, Room 1-5(16.00-16.45)	
Room 1	Mechanical Engineering/ Oil & Gas	
Speaker	Author	Title
1	Aista Pudji Witari	Performance Simulation on The Shell and Tube of Heat Exchanger by Aspen Hysys V.10
2	Dicky Nugraha, Soni Darmawan, Rika Hernawati	Oil Palm Plantation Age Modeling Using The H-Alpha Decomposition Method of Sentinel 1-A
3	Muhamad Faizal Asy'ari, Fadillah Ramadhan, Arif Imran, Hendang Setyo Rukmi, and Lisye Fitria	A solution method to minimize fuel consumption for the travelling salesman problem with dynamic load and velocity
4	Diki Ismail Permana	Feasibility Study of MSW Incinerator and Flue Gas Treatment in Hungary
5	Dony Perdana	The role of nitrogen gas and variations of the magnetic field on the characteristics of flame on combustion of premixed vegetable oil blends (b50)
6	Mohammad Alexin Putra, Heddy Ryandi Ishak and Cecep Nursandi	Experimental Investigation of Water Flow Losses in Elbow of PVC Pipe
Room 2	Electrical Engineering / Power	
Speaker	Author	Title
1	Wildan Hifzy Faruqy	WSN With Plug And Play Sensor On Vannamei Shrimp Pounds
2	Mochammad Fadillah Putra	Mitigation System Fire Emergency Response Based on Internet of Things
3	Fadli Padriyana	LoRa Data Communication For Fishing Boat Monitoring
4	Muhammad Arif Ramdani	Data Communication On Motorcycle Rental Based On Internet Of Things
5	Matúš Bilčík, Monika Božiková, Ľubomír Kubík, Ján Csillag, Patrik Kósa, Tímea Szabóová, Ján Čimo, Ľuboš Moravčík, Stanislav Paulovič	The Comparison of Output Power Balance for Monofacial and Bifacial PV Modules with Different Way of Installation
6	Nana Subarna	Inductively Isolated Digital Input

Room 3	Chemical Engineering / Agriculture technology	
Speaker	Author	Title
1	Apriliana Dwijayanti, and Safril Kartika	Isolation of Linalool From Coriander Seeds by Soxhlet Extraction -Steam Distillation Method
2	Yuyun Yuniati, Achmad Qodim Syafaatullah, Mahfud Mahfud	Box Behnken Design for Ultrasound Assisted Extraction of natural dyes from Indigofera tinctoria L.
3	Nur Farahain Mohd Nasruddin, Nor Hanimah Hamidi, Siti Nur Nadzmiah Mohd Nor	extraction of phytochemicals in leucaena leucocephala by using microwave assisted hydrodistillation (mahd)
4	Gita Indah Budiarti, Endah Sulistiawati, Nurani Sofiana,Dessy Norma Yunita	Modification of Kimpul Flour Using Hydrogen Rich Water for Wheat Substitution
5	Simpliste Dusabe, Sri Rachmania Juliastuti,Raden Darmawan	Production of Reducing sugar from food waste using hydrolytic microorganisms
6	Lukman Nulhakim, Reviana Inda Dwi Suyatmo , Ines Meisy Terani, and Siti Nurwindah	Encapsulation and Characterization of Slow-Release Rabbit Urine Fertilizer from Alginate Bead Coated with Chitosan
Room 4	Informatics / Information Systems	
Speaker	Author	Title
1	Dewi Rosmala and Muhamad Rizky Rifaldy	Implementation Of Architecture LeNet - 5 For Javanese Scripts Handwriting Recognition
2	Muhammad Fikrian Nahl, Irma Amelia Dewi, Kurnia Ramadhan Putra	Holistically-Nested Edge Detection in Chair Ergonomic Detection
3	Muhammad Faiz Al Rasyid Tisyadi, R. Cahyadi Nugraha, and Rispianda	A Learning-Aid Based-On Augmented Reality Technology for The Fundamentals of Engineering Design Course
4	Intan Rahmatillah and Salvia Augista	Measuring the Quality of Website Services using the E-Service Quality Method in Footstep Footwear
5	Dwi Ely Kurniawan, Afdhol Dzikri, Nanna Suryana Herman	Fishery Marketplace Mobile App for Fishermen to Support Local Products during the Covid-19 Pandemic
6	Muhammad Fadhlih Baihaqi and Lisye Fitria	Aplication of Sweep Algorithm and Nearest Neighbour Algorithm for Solving Multiple Trips Heterogeneous Fleet Vehicle Routing Problem Subsidized Gas Distribution

Room 5	Industrial Engineering / Education Technology	
Speaker	Author	Title
1	Permata Aulia Juliani, Sugih Arijanto	Analysis Factors of E-Marketplace Adoption and Its Impact On Micro Small Medium Enterprises Performance In Bandung During Covid-19
2	Aprilia Prahesti, Lina Dianati Fathimahhayati, Theresia Amelia Pawitra	Design of Ergonomic Non-Medical Mask using Ergonomic Function Deployment (EFD) Method (Case Study: Engineering Faculty Student, Mulawarman University)
3	Dwi Kurniawan, Besti Destrisa	Saving Matrix and Nearest Neighborhood with Permutation for Capacitated Vehicle Routing Problem using Google Maps and VBA
4	Virge Asmaningrum and Hendro Prassetiyo	Application of Interpretive Structural Modelling (ISM) and Analytical Network Process (ANP) Methods in The Selection of ComponentApplication of Interpretive Structural Modelling (ISM) and Analytic Easy Wheel Suppliers in the Bicycle Manufacturing Industry
5	Josua, Hendang Setyo Rukmi, and Fahmi Arif.	Determining Combination of Items for Product Bundle Offering Using Market Basket Analysis
6	Dinda Nurul Ramadhani, Hendang Setyo Rukmi, Fahmi Arif, and Alif Ulfa Afifah	Determining Priority Location for Tourist Village Development Using K-Means Clustering

PARALLEL SESSION Day 2 (29th October 2021, Friday) Speaker 1-3, Room 1-5 (10.00-10.45) and Speaker 4-7, Room 1-5(15.15-16.00)		
Room 1	Mechanical Engineering/ Manufacturing Operations Of Performance	
Speaker	Author	Title
1	Adhi Cahyo Putranto and Mohammad Alexin Putra	Flow in Vertical Axis Wind Turbine with Guide Vanes
2		
	Wima Haikal Palit, and Ronny Kurniawan	Effect of Acid Hydrolisis Temperature and Acid Solution Concentration on Water Hyacinth Hydrolisis
3	Nuha Desi Anggraeni and Alfan Ekajati Latief	Natural Fiber Heat Treatment on Composite Material
4	Ľubomír Kubík, Matúš Bilčík, and Ján Csillag	Selected Properties of Edible Oils
5	Tito Shantika, Farkhan Firdauzy Yusuf, M. Roedal Patriot and Eka Taufiq Firmansyah	Design gearbox transmission Picohydro for Hybrid Floating Power plant
6	Asaad Yasseen Al-Rabeeah, Istvan Seres, and Istvan Farkas	Performance enhancement of PTSC by using mono and hybrid nanofluids
7	D.S.Pertiwi, E.Rahmah, I.F.Nugraha, A.Amien, Rusmanto, R. Ekadjati	Boiler Energy Conservation on A Tire Industry
Room 2	Electrical Engineering / Power/Education Technology	
Speaker	Author	Title
1	Dani Rusirawan, Istvan Farkas, Jozef Horabik, Zuzana Hlaváčová Hlaváčová, Martin Libra	The Highlight of Research and Academic Collaboration Between ITENAS and European Universities in Visegrád Four: Past and Future
2	Muhammad Dawamuddin Al Muluk, Lita Lidyawati, Dani Rusirawan	Energy Production Modeling of 1 kWp Solar Power Plant Using SARIMA
3	Ahssan M.A. Alshibil, Piroska Víg, István Farkas	Seasonal performance evaluation of hybrid solar collectors in a hot climate area
4	Nasrun Hariyanto	Design of Solar Energy for Street light
5	Annisa Maulidia, Lita Lidyawati, Lucia Jambola, Lisa Kristiana	Analysis of Logistic Regression Algorithm for Predicting Types of Breast Cancer Based on Machine Learning
6	Liman Hartawan	Design of 2 DoF Frame Simulator And Control System with Gyro Sensor
Room 3	Chemical Engineering / Agriculture Technology	
Speaker	Author	Title
1	Jono Suhartono, Utari Puspa Kirana, Lisfia Nurhalisa, Mohammed Wali Hakami, Achmad Chafidz	Characterization of PES/CNTp-TiO2 and PES/CNTp-ZnO Composite Membranes Using Solute Transport Method
2	Reni Desmiarti, Herry Martinus, Reti Wafda, Dian Hadiansyah, Nofri Naldi, Inva Salsabil, Alfin Syauqi Kharisma	Potential and Processing of Limestone in West Sumatra: Effect of Calcination Temperatures

3	Riny Yolandha Parapat, and Muhammad Aldiansyah Amin	Optimization of Nanoasphalt Rubber Using The Response Surface Method
4	Virda Nur Lu'lu	Isolation of Bromelain Enzyme in Flesh of Fruit, Hump, and Skin from Pineapple by Precipitation Method using Ethanol
5	Daniela Kunecová, Vlasta Vozárová, Dávid Lebo, and Ana Petrović	Evaluation various forms of wood using activation energy determined by thermogravimetric analysis
6	Lukhi Mulia Shitophyta, Adi Permadi, Syaeful Akbar Padya	Upgrading of Biogas Yield from The Liquid Waste of Tofu by Variation Types of Co-digestions
7	Charles Ng Wai Chun, Husnul Azan bin Tajarudin, Ramizah binti Kamaludin, Azieyati Hani bin Hussain, Shakera Jakera, Mahmod Abobaker	Drying Techniques for Coating of Pelletized Fertilizers with Sodium Alginate and Microbial Biopolymer.

Room 4	Informatics/ Engineering / Ecosystem and Infrastructure/ chemical engineering	
Speaker	Author	Title
1	Tedy Apriadi	Water Quality Monitor For Vannamei Shrimp Cultivation Based On IoT (Internet of Things)
2	Fahmi Arif and Isa Setiasyah Toha	Enhancing Manufacturing Quality System Using Cloud-Based Quality Analyzer
3	Farida Djumiati Sitania	New Building Facilities Maintenance Analysis at the Engineering Faculty of Mulawarman University
4	Dani Rusirawan, Dyah Setyo Pertiwi, Liman Hartawan, Istvan Szabo, Miklos Daroczi, Laszlo Katai, Istvan Farkas	Development of Joint Curriculum as a First Step to Establish Joint Degree: Lesson Learned from the Partnership ITENAS and MATE
5	Shakera Jakera, Husnul Azan bin Tajarudin, Ramizah binti Kamaludin, Azieyati Hani bin Hussain, Charles Ng Wai Chun, Mahmod Abobaker	Isolated Microbes from Local Fermented Food of South East Asian
6	Azieyati Hani bin Hussain, Husnul Azan bin Tajarudin, Ramizah binti Kamaludin, Charles Ng Wai Chun, Shakera Jakera, Mahmod Abobaker	Potential biomass of *Scenedesmus* sp. to produce valuable chemical by *Bacillus megaterium sp*
7	Ramizah binti Kamaludin, Husnul Azan bin Tajarudin, Charles Ng Wai Chun, Azieyati Hani bin Hussain, Shakera Jakera, Mahmod Abobaker	Effect of different pH on Amylase Production from Palm Oil Mill Effluent (POME) treatment

Room 5	Industrial Engineering	
Speaker	Author	Title
1	Dwi Kurniawan, Yoga Chandra Lukito	A Modified Campbell Dudek Smith Algorithm for Flow Shop Scheduling with Parallel Machines, Batch Processors and Assembly
2	Sugih Arijanto, Rifa Moch Fuady Noor, Hendang Setyo Rukmi, and Fahmi Arif	Impact of Demographic and Psychological Factors to MSME's Business Performance during Covid-19 Pandemic

3	Gavrilla Nathania	Improved Company Productivities Based on Supply Chain Management Performance Measurement Using Objective Matrix (OMAX) Method
4	Hendang Setyo Rukmi, Alif Ulfa Afifah, and Nada Rizki Lestari	Modeling the Buying Behavior Factors of Internet Service Provider
5	Ratna Puspitaningsih	Factors Influencing of FinTech User Using Unified Theory of Acceptance and Use of Technology 2 Model (UTAUT 2) In Bandung
6	Sri Suci Yuniar, and Dewi Permatasari Sulaeman	Production Scheduling To Reduce Makespan Using Campbell Dudek Smith Methods And Dannenbring Methods