

International Symposium on Engineering and Manufacturing (ISEM2021)

24-26 December 2021, Kyiv, Ukraine

ISEM2021 Conference Program



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ISEM2021 Conference Schedule

Oral Session

Friday, 24 December 2021

ID	Time	Title and the video link of the papers	E-mail for questions to the presentation of the paper
1510	10:00-10:30	Residual Stresses Occurring during Laser Shock Processing Technology of High-load units of Agricultural Machinery	sakhvadze@mail.ru
1511	10:30-11:00	Strengthening of Agricultural Machinery Parts by Cryogenic Laser Shock Processing Technology	sakhvadze@mail.ru
1523	11:00-11:30	Method of Reducing Friction in the Plow Moldboard with Soil during Cultivation Due to the Implementation of Ultrasonic Vibrations	b_constantine@ukr.net
1527	11:30-12:00	Ways to Reduce Negative Impacts from the use of Rapeseed Oil as a Fuel for Diesel Engines	evo-xpro-info@yandex.ru
1538	12:00-12:30	Research into the Parameters of a Robotic Platform for Harvesting Apples	alexeykutyrev@gmail.com
1612	14:00-14:30	Virtual Laboratory Works in Teaching Practical Circuit Design and Development of Responsibility Component of Students' Academic Integrity	witjane20002014@gmail.com
1613	14:30-15:00	Adaptation of Distilling Knowledge Method in Natural Language Processing for Sentiment Analysis	zeusfsxtmp@gmail.com
1614	15:00-15:30	Analysis of Virtual Promotion of a Product	sergey_orekhov@yahoo.com
1615	15:30-16:00	Conditions of Non-uniform Fluidization in an Auto-oscillating Mode	bogdanko@gmx.net
1616	16:00-16:30	The Heat Exchange in the process of Granulation with Non-uniform Fluidization	bogdanko@gmx.net
1618	16:30-17:00	Brand Management of Archives in Ukraine: Raising the Issue	valentbez@gmail.com

Oral Session

Saturday, 25 December 2021

ID	Time	Title and the video link of the papers	E-mail for questions to the presentation of the paper
1619	10:00-10:30	An Approach towards Vacuum Forming Process Using PostScript for Making Braille	natlot@ukr.net
1620	10:30-11:00	Combined Approach to Solving the Neumann Problem for a Parametric Quasilinear Elliptic Equation	ll_hart@ukr.net
1625	11:00-11:30	Investigation of Anomalous Situations in the Machine-building Industry Using Phase Trajectories Method	ivanizonin@gmail.com
1626	11:30-12:00	Prediction of Magnetic Remanence of Sm-Co Magnets Using Machine Learning Algorithms	zduriagina@ukr.net
1627	12:00-12:30	Influence of Hadamard Matrices Canonicity on Image Processing	kulchytska422@gmail.com
1628	14:00-14:30	The Wind Generator' Power Effective Forecast Method Based on Modified One-dimensional Convolutional Neural Network and Metaheuristics	s.v.rudnitskiy@gmail.com
1629	14:30-15:00	Investigation of Reading Convenience Factors Based on Graph Theory and Systems Analysis	dana.havrysh@gmail.com
1630	15:00-15:30	The Generalized Chaotic System in the Hyper-complex Form and its Transformations	witjane20002014@gmail.com
1633	15:30-16:00	Designing Intelligent Multi-agent Ontology-based Training Systems: The case of State University of Infrastructure and Technology	oitkachen@gmail.com
1656	16:00-16:30	Determination of Geometric Parameters of Piezoceramic Plates of Bimorph Screw Linear Piezo Motor for Liquid Fertilizer Dispenser	b_constantine@ukr.net
1657	16:30-17:00	Ensuring Safety of Navigation in the aspect of Reducing Environmental Impact	briz1301@ukr.net

Oral Session

Sunday, 26 December 2021

ID	Time	Title and the video link of the papers	E-mail for questions to the presentation of the paper
1658	10:00-10:30	Security Access Using Simple RFID Reader and Arduino UNO: A Study Case	rusyn_v@ukr.net
1659	10:30-11:00	Synthesis of the Algorithm for Determining the Film Thickness Based on the Obtained Data of the White Light Interferogram	yurkokryvenchuk@gmail.com
1660	11:00-11:30	Investigation of the Bifurcation Properties of the Dynamics of a Biological Population Based on a Logistic Model	witjane20002014@gmail.com
1662	11:30-12:00	Model for a Direct Torque Control System of an Alternating Current Electric Drive for Urban Transport Rolling Stock Tasks	witjane20002014@gmail.com
1663	12:00-12:30	The Applying of Second Order Frequency-dependent Components in Signal Processing of Autonomous Mobile Robotic Platforms	nekaktotak2@gmail.com
1669	14:00-14:30	Method for Determining the Generating Capacity of the Waste Heat Recovery System of Main Engines	witjane20002014@gmail.com
1671	14:30-15:00	The Impact of Connecting a Wind Power Plant on Emergency Modes of a Traction Substation of an AC Traction System	witjane20002014@gmail.com
1675	15:00-15:30	Air Quality Assessment Based on the Selection of Fitting Anomaly Detection Methods	baqaveev@gmail.com
1678	15:30-16:00	Stochastic Algorithms for Optimization of the Path of Robotic Systems	aap2011@ukr.net
1679	16:00-16:30	Veterinary Self-protected Cone-beam Computed Tomography Scanner	xolexandra@gmail.com
1697	16:30-17:00	Optimization of Deep Learning Neural Network by Analysis of Cross-validated Metrics with and without Data Augmentation	mariia.ladonia@gmail.com

Note: Please click on the title of the paper to watch the video presentation. Each video is about 20 minutes. If you have any questions, please contact the author's email. The authors should reply to any questions of the paper in time. If you have any questions, please don't hesitate to contact us by email isem@icics.net.