The 5th International Conference on Computer Science, Engineering and Education Applications (ICCSEEA2022)

21-22 February 2022

Kyiv, Ukraine

ICCSEEA2022 Conference Program

ICCSEEA2022

Conference Sponsors

National Technical University of Ukraine   "Igor Sikorsky Kyiv Polytechnic Institute"
https://kpi.ua/en

National Aviation University
https://nau.edu.ua/en

Kharkov National University of Radio Electronics
https://nure.ua/en

Taras Shevchenko National University of Kyiv
http://www.univ.kiev.ua/en

Hubei University of Technology
http://en.hbut.edu.cn

Polish Operational and Systems Society
http://www.ptbois.org.pl

International Research Association of Modern Education and Computer Science (RAMECS)
http://www.ramecs.org

ICCSEEA2022 Conference Schedule

Monday, 21 February 2022

Section 1. Computer Science for Manage of Natural and Engineering Processes

ID	Time	Title and the video link of the papers	E-mail for questions to the presentation of the paper
1683	**10:00-10:20**	Digital Twin-Driven Warehouse Management System for Picking Path Planning Problem	bettycao@whut.edu.cn
1684	**10:20-10:40**	Analysis of Transfer of Modulated Ink Flows in a Short Printing System of Parallel Structure	pasyekanm@gmail.com
1709	**10:40-11:00**	Credit Strategy Model of Small,Medium and Micro Enterprises Based on Principal Component Analysis	hariny@163.com
1711	**11:00-11:20**	Modelling of Tone Reproduction with Round Raster Elements in a Short Printing System of Parallel Structure	pms.mykola@gmail.com
1720	**11:20-11:40**	Parametric Optimization of Time-Domain Digital Control System	irinagalicka@gmail.com
1759	**11:40-12:00**	Research on possible convolution operation speed enhancement via AArch64 SIMD	lllandreyshevchenkolll@gmail.com
1762	**12:00-12:20**	Research on the Application of Intelligent Logistics Innovation Technology in Logistics 4.0 Era	yehui1986@126.com
1776	**12:20-12:40**	An Optimal Pricing and Inventory Control Policy for Online Sale	865205856@qq.com
1777	**12:40-13:00**	Variational Method for Solving the Time-Fractal Heat Conduction Problem in the Claydite-Block Construction	vshymanskiy@gmail.com
1788	**14:00-14:20**	Programming Language ASAMPL 2.0 for Mulsemedia Applications Development	sulema@pzks.fpm.kpi.ua
1790	**14:20-14:40**	Location-based Threats for User Equipment in 5G Network	Akhalaia.g@gtu.ge
1803	**14:40-15:00**	Design and Implementation of Virtual Laboratory Construction Scheme for Transportation Logistics Specialty Group	153862839@qq.com
1816	**15:00-15:20**	Application Research on Construction and Evaluation of Logistics Enterprises Performance	wang-yong@whut.edu.cn
1820	**15:20-15:40**	Human Resource Structure and Scientific Research Productivity of Chinese Universities Based on Entropy Weight Method and the Relationship Model	mhhyue@163.com
1852	**15:40-16:00**	Dynamic Pricing Strategy and Simulation of electricity Enterprises based on Supply Chain Revenue Management	yezyhuang@163.com

1873	16:00-16:20	[Competitiveness of China Railway Express Node Cities Based on AHP](#)	cc3221@qq.com
1896	16:20-16:40	[Design and Implementation of Cold Chain Logistics Temperature Measurement and Control System Based on LabVIEW](#)	78704108@qq.com

Tuesday, 22 February 2022

Section 2. Perfection of Computer Algorithms and Methods

ID	Time	Title and the video link of the papers	E-mail for questions to the presentation of the paper
1654	**10:00-10:20**	Recognition of Potholes with Neural Network Using Unmanned Ground Vehicles	v.onyshchenko@kpi.ua
1687	**10:20-10:40**	Mobile-YOLO: A lightweight and Efficient Implementation of Object Detector Based on YOLOv4	1581357356@qq.com
1689	**10:40-11:00**	Program Module of Cryptographic Protection Critically Important Information of Civil Aviation Channels	ilyenko.a.v@nau.edu.ua
1692	**11:00-11:20**	Automated License Plate Recognition Process Enhancement with Convolutional Neural Network Based Detection System to Improve the Accuracy and Reliability of Vehicle Recognition	liferunner@gmail.com
1699	**11:20-11:40**	Modern Requirements Documentation Techniques and the Influence of the Project Context: Ukrainian IT Experience	d.gobov@kpi.ua
1708	**11:40-12:00**	The problems and advantages of using non-separable block codes	k_yaroslav@ukr.net
1721	**12:00-12:20**	Parallelization of Algorithms by the OpenCL Library for Solving a System of Linear algebraic Equations	ozirno@ukr.net
1725	**12:20-12:40**	Mathematics and software for building nonlinear polynomial regressions using estimates for univariate polynomial regressions coefficients with a given (small) variance	pavlov.fiot@gmail.com
1746	**12:40-13:00**	Adaptive routing method in scalable software-defined mobile networks	iryna.hrabovenko@gmail.com
1749	**14:00-14:20**	Big Data Methods in Learning Analytics System by Using Dask Cluster Computer Framework	fgafarov@yandex.ru
1757	**14:20-14:40**	Software System for Processing and Visualization of Big Data Arrays	i.husyeva@kpi.ua
1760	**14:40-15:00**	GEOCLUS: A Fuzzy-Based Learning Algorithm for Clustering Expression Datasets	lehatish@gmail.com
1770	**15:00-15:20**	An Efficient Storage Architecture Based on Blockchain and Distributed Database for Public Security Big Data	386160844@qq.com
1772	**15:20-15:40**	Generalization of the formal method for determining the state of processors of a multiprocessor system under testing	mcng@ukr.net
1848	**15:40-16:00**	Risk Assessment of Cold Chain Logistics Chain Breaking Based on BP Neural Network	plzhanghq@126.com

1860	**16:00-16:20**	Construction of Logistics Distribution Information Sharing Platform Based on Internet of Things Technology	523201940@qq.com

Wednesday, 23 February 2022

Section 3. Computer Science for Education, Medicine and Biology

ID	Time	Title and the video link of the papers	E-mail for questions to the presentation of the paper
1667	**10:00-10:20**	Research and Practice of Applied Professional Experimental Course Construction —— Takes the Automotive Service Engineering Experimental Course as an Example	1723872199@qq.com
1698	**10:20-10:40**	Transferability Evaluation of Speech Emotion Recognition Between Different Languages	v.sokolov@kubg.edu.ua
1702	**10:40-11:00**	Chromosome Feature Extraction and Ideogram-Powered Chromosome Categorization	yuriymironov96@gmail.com
1716	**11:00-11:20**	Case Teaching of E-commerce Fresh Product Demand Forecasting in Logistics System Forecasting	jinshan.dai@whut.edu.cn
1719	**11:20-11:40**	Training and Evaluation System of Intelligent Supply Chain Talent Based on Digital Teaching and Collaborative Innovation	wysqh1208@163.com
1733	**11:40-12:00**	Effects of Students' Interaction Patterns on Cognitive Processes in Blended Learning	pwh@mail.ccnu.edu.cn
1743	**12:00-12:20**	Application of Cloud Computing in Applied Undergraduate Education and Management	23255294@qq.com
1758	**12:20-12:40**	Simulation Study of Multiple Ships Material Transport Planning for Replenishment at Sea	767396905@qq.com
1764	**12:40-13:00**	Improving U-Net Kidney Glomerulus Segmentation with Fine-Tuning, Dataset Randomization and Augmentations	romanstatkevich@gmail.com
1766	**14:00-14:20**	The Impact of Time Pressure, Emotional Intelligence and Emotion on Job Engagement: An Empirical Study in Logistics Enterprises	657518287@qq.com
1932	**14:20-14:40**	Application of BOPPPS Model in the Teaching Design of the Principle and Method of Micro-Joining Course	zhou.qilai@whut.edu.cn
1935	**14:40-15:00**	Training Mode Combined with Building Information Modeling Technology of Material Specialty in the Background of Emerging Engineering Education	caoqian@whut.edu.cn
1939	**15:00-15:20**	Training Mode of Compound Talents in Wuhan Shipping Enterprises	zhouyong@whut.edu.cn

Note: Please click on the title of the paper to watch the video presentation. Each video is about 15 - 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 iccseea@icics.net.