



International Conference on Applied Mathematics, Modeling and Computer Simulation (AMMCS 2022)

August 13, 2022

ONLINE via ZOOM

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Part I Online Conference Guideline

Download "ZOOM" APP via: <u>https://www.zoom.cn/download/</u>

ZOOM Link: https://zoom.us/j/8322562319?pwd=ZzBtVm5yZTZobTZVZDdkaVNGbHgxUT09

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Part II Conference Brief Schedule

Saturday, August 13, 2022			
ZOOM Link: https://zoom.us/j/8322562319?pwd=ZzBtVm5yZTZobTZVZDdkaVNGbHgxUT09			
08:20-08:25	ZOOM Online Conference Testing		
08:25-08:30	Welcome Speech: Prof. Kanagasabai Lenin, Prasad V. Potluri Siddhartha Institute of Technology, India.		
08:30-11:10	Keynote Speeches		
08:30-09:10	Keynote Speech 1 : Computational Modelling and Investigations of Red Blood Cell Dynamics in Fluid Flows <i>Junfeng Zhang, Professor, Bharti School of Engineering & Computer Science,</i> <i>Laurentian University, Canada.</i>		
09:10-09:50	Keynote Speech 2 : Orbital Angular Momentum Modes in Ring-core Optical Fiber: Modeling and Applications <i>Yang Yue, Professor, Xi'an Jiaotong University, China.</i>		
09:50-10:30	Keynote Speech 3 : Universal Poisson Approximations for Wiener Functionals Arisen in Finance <i>Phillip Yam, Professor, Department of Statistics, and Assistant Dean (Education) at</i> <i>the Faculty of Science, The Chinese University of Hong Kong, China.</i>		
10:30-11:10	Keynote Speech 4 : Utility-Oriented Mining: Techniques and Modeling Jerry Chun-Wei Lin, Professor, Department of Computer Science, Electrical Engineering and Mathematical Sciences, Western Norway University of Applied Sciences, Bergen, Norway.		
11:15-12:00	Oral Presentations-Part 1		
12:00-13:25	Lunch Break		
13:25-13:30	ZOOM Online Conference Testing		
13:30-14:50	Keynote Speeches		
13:30-14:10	Keynote Speech 5 : Novel Multi-Attribute Group Decision-Making Method with TOPSIS: A Fermatean Fuzzy Hypersoft Sets and Correlation Coefficients Approach <i>Murat Kirişci, Professor, Department of Biostatistics and Medical Informatics, Cerrahpaşa Medicine Faculty, Istanbul University-Cerrahpaşa, Turkey.</i>		
14:10-14:50	Keynote Speech 6 : Recent Existence Results for Double-Phase Problems Andrea Scapellato, Professor, Department of Mathematics and Computer Science, University of Catania, Italy.		
14:55-18:40	Oral Presentations-Part 2		
All Conference Period	Poster Presentation		

Part III Keynote Speeches

Keynote Speech 1: Computational Modelling and Investigations of Red Blood Cell Dynamics in Fluid Flows



Prof. Junfeng Zhang Bharti School of Engineering & Computer Science, Laurentian University, Canada.

Biography: Dr. Junfeng Zhang obtained his Ph.D. degree in Mechanical Engineering from University of Alberta (Edmonton, Canada) in 2005. He then worked in the Department of Biomedical Engineering at Johns Hopkins School of Medicine (Baltimore, USA) for two years as a NSERC postdoctoral fellow. Dr. Zhang joined the Laurentian Engineering School in 2007 and was promoted to Full Professor in 2016. His research mainly focuses on computational modeling and numerical investigations of microscopic complex flows. Relevant research topics include red blood cell dynamics and microscopic blood flows, heat and mass transfer, porous and particulate flows, the lattice Boltzmann method, and nanofluids and microfluidics. He is the author/co-author of ~ 80 journal articles and book chapters.

Abstract: Continuously circulating through the body, blood performs crucial biological functions, and these functions are mainly accomplished in the microvascular network. As observed in fundamental studies and clinical observations, abnormal microscopic blood cell properties and blood flow behaviors are often associated with various diseases and disorders. Among the several blood components, red blood cells (RBCs, also called erythrocytes) play determinant roles in blood functions and flow behaviours. Thanks to the rapid advances in computational technology, numerical modeling and studies have been proven to be useful for revealing fundamental information and improving our understanding of the complex blood flow behaviors in the microcirculation. In this presentation, we first briefly review the progresses in modeling and simulations of RBC dynamics over the past decades, and then introduce results from several studies in our group on RBC aggregations, shear stress variations, cell-free layer development, RBC separation at microvascular bifurcations, oxygen transport, etc. In particular, the recent finite-difference scheme for membrane viscosity and its applications are to be discussed.

Keynote Speech 2: Orbital Angular Momentum Modes in Ring-core Optical Fiber: Modeling and Applications



Prof. Yang Yue Xi'an Jiaotong University, China.

Biography: Yang Yue received the B.S. and M.S. degrees in electrical engineering and optics from Nankai University, China, in 2004 and 2007, respectively. He received the Ph.D. degree in electrical engineering from the University of Southern California, USA, in 2012. He is a Professor with the School of Information and Communications Engineering, Xi'an Jiaotong University, China. Dr. Yue's current research interest is intelligent photonics, including optical communications, optical perception, and optical chip. He has published over 200 peer-reviewed journal papers (including Science) and conference proceedings with >9,000 citations, five edited books, two book chapters, >50 issued or pending patents, >170 invited presentations (including 1 tutorial, >10 plenary and >30 keynote talks). Dr. Yue is a Senior Member of the Institute of Electronic and Electrical Engineers (IEEE). He is an Associate Editor for IEEE Access, and an Editor Board Member for three other scientific journals. He also served as Guest Editor for ten journal special issues, Chair or Committee Member for >80 international conferences, Reviewer for >60 prestigious journals.

Abstract: Optical fiber communications, as the backbone of today's telecommunications infrastructure, supports voice, video and data transmission through global networks. One critical issue in its research is the challenge of meeting the needs of increasing the data capacity. Over the past decade, high-speed optical fiber communications using orbital angular momentum (OAM) mode-division multiplexing is one of the hot research areas. This talk presents modeling and applications of OAM modes in ring-core optical fiber. We will show mode-division and wavelength-division multiplexing of OAM modes with 1.6-Tb/s data capacity through 1.1-km of ring-core fiber. Moreover, several types of ring-core optical fiber designs for OAM modes will be presented, including multi-core ring fiber supporting thousands of OAM modes, coupled ring-core fiber with large negative dispersion, non-zero dispersion-shifted ring fiber to balance the chromatic dispersion and nonlinearity.

Keynote Speech 3: Universal Poisson Approximations for Wiener Functionals Arisen in Finance



Prof. Phillip Yam

Full Professor and Co-director of Interdisciplinary Major Program in Quantitative Finance and Risk Management Science, Department of Statistics, and Assistant Dean (Education) at the Faculty of Science, The Chinese University of Hong Kong, China.

Biography: Phillip Yam received his BSc in Actuarial Science with first class honours and MPhil from the University of Hong Kong. Supported by the two scholarships awarded by the Croucher Foundation, he obtained a Master of Advanced Study degree, Part III of the Mathematical Tripos, with Distinction in Mathematics from University of Cambridge and a DPhil in Mathematics from University of Oxford. During his postgraduate studies, he was awarded with the E. M. Burnett Prize in Mathematics from University of Cambridge, and the junior research fellowship from The Erwin Schrödinger International Institute for Mathematics and Physics of University of Vienna. Phillip is currently the Co-Director of the Interdisciplinary Major Program in Quantitative Finance and Risk Management Science, a full Professor at the Department of Statistics, and Assistant Dean (Education) at the Faculty of Science of CUHK. He got appointed as a research fellow in the Hausdorff Research Institute for Mathematics of University of Bonn and a Visiting Professor in the Department of Statistics of Columbia University in the City of New York. He has about a hundred journal articles in actuarial science and financial mathematics, applied mathematics, engineering, and statistics, and has also been serving in editorial boards of several journals in these fields. Together with Alain Bensoussan and Jens Frehse, he wrote up the first monograph on mean field games and mean field type control theory.

Abstract: It is a well-known simple fact that the limit of a compensated Poisson process, as the intensity goes to infinity, is a Brownian motion, but does the same result hold for general Wiener functionals? In this talk, we propose a global, chaos-based procedure for the discretization of Wiener functionals of Brownian motion into one of a Poisson process with intensity $\lambda > 0$. Under this discretization, we study the weak convergence, as the intensity of the underlying Poisson process goes to infinity, of Poisson functionals and their corresponding Malliavin-type derivatives to their Wiener counterparts. More specifically, we derive a convergence rate of $O(\lambda^{-1/4})$ for the Poisson discretization of Wiener functionals by combining the multivariate Chen-Stein method with both the Poisson and Wiener calculi. At the first glance, the proposed sufficient condition for establishing this convergence rate requires the knowledge of the kernel functions in the Wiener chaos, which apparently limits its potential use as most of the Wiener functionals are so general that it is hard to find their kernels explicitly, let alone to verify this mild sufficient condition. Nevertheless, most of the Wiener functionals in finance should be a classical function of certain non-linear SDE solutions, and one of our main results is to get around the above complications; specifically, we can still establish the convergence of Poisson discretizations of solutions to a broad class of nonlinear SDEs with respect to Brownian motion. Moreover, numerical experiments also support the optimality of the convergence rate of 1/4; besides, the discretized Malliavin operators can be further applied to approximate the Greeks in option pricing framework. To the best of our knowledge, these are the first results in the literature henceforth resolving a long-lasting open problem regarding the universal convergence rate of a global discretization of a generally useful class of Wiener functionals.

Keynote Speech 4: Novel Multi-Attribute Group Decision-Making Method with TOPSIS: A Fermatean Fuzzy Hypersoft Sets and Correlation Coefficients Approach



Prof. Murat Kirişci

Department of Biostatistics and Medical Informatics, Cerrahpaşa Medicine Faculty, Istanbul University-Cerrahpaşa, Turkey.

Biography: Dr. Murat Kirişci is a Professor in the Department of Biostatistics and Medical Informatics, Cerrahpaşa Medicine Faculty at the Istanbul University-Cerrahpaşa. He received the Ph. D. degree in Mathematics from Erciyes University. His research has been focused on the Matrix domain, statistical convergence, fixed point theory, decision making, fuzzy set and systems, fuzzy logic, artificial intelligence, machine learning, intelligence systems, and optimization. He has contributed research papers in reputed journals and also as a reviewer in different scientific journals.

Abstract: A statistical technique called correlation analysis is used to determine the link between two variables and gauge how strongly two variables are linearly related. The degree of change in one variable as a result of the other's change is determined via correlation analysis. The correlation coefficient is one of the statistical ideas that are most relevant to this kind of investigation. The correlation coefficient, which is easily recognized by its symbol \$r\$ and typical value without units falling between 1 and -1, is the unit of measurement used to determine the intensity of the linear relationship between the variables included in correlation analysis. One of the best at representing completely ambiguous and uncertain information is the Fermatean fuzzy set. In this research, we present correlation coefficients and weighted correlation coefficient formulation to evaluate the relationship between two Fermatean fuzzy hypersoft sets, taking into account that the correlation coefficient plays a significant role in statistics and engineering disciplines. The Fermatean fuzzy hypersoft set is a parameterized family that deals with the sub-attributes of the parameters and is an appropriate extension of the Fermatean fuzzy soft set. It is also the generalization of the intuitionistic fuzzy hypersoft set and the Pythagorean fuzzy hypersoft set, which is used to accurately assess insufficiency, anxiety, and uncertainties in decision-making. The Fermatean fuzzy hypersoft set can accommodate more uncertainties compared to the intuitionistic fuzzy hypersoft set and Pythagorean fuzzy hypersoft set, and it is the most substantial methodology to describe fuzzy information in the decision-making process. One of the aims of this study is to give Fermatean fuzzy hypersoft sets and to examine their basic properties. The second objective of this study is to develop the notion and features of the correlation coefficient and the weighted correlation coefficient for the Fermatean fuzzy hypersoft set and to introduce the aggregation operators such as Fermatean fuzzy hypersoft weighted average and Fermatean fuzzy hypersoft weighted geometric operators under the Fermatean fuzzy hypersoft set scenario. A prioritization technique for order preference by similarity to the ideal solution (TOPSIS) under Fermatean fuzzy hypersoft set based on correlation coefficients and weighted correlation coefficients is presented. Through the developed methodology, a technique for solving the multi-attribute group decision-making problem is planned. In addition, examples of medical decision-making are presented for the importance and application of the developed methodology.

Keynote Speech 5: Utility-Oriented Mining: Techniques and Modeling



Prof. Jerry Chun-Wei Lin

Full Professor, Department of Computer Science, Electrical Engineering and Mathematical Sciences, Western Norway University of Applied Sciences, Bergen, Norway.

Biography: Jerry Chun-Wei Lin received his Ph.D. from the Department of Computer Science and Information Engineering, National Cheng Kung University, Tainan, Taiwan in 2010. He is currently a full Professor with the Department of Computer Science, Electrical Engineering and Mathematical Sciences, Western Norway University of Applied Sciences, Bergen, Norway. He has published more than 500 research articles in refereed journals (IEEE TKDE, IEEE TCYB, IEEE TII, IEEE TITS, IEEE TIAS, IEEE TETCI, IEEE SysJ, IEEE SensJ, ACM TKDD, ACM TDS, ACM TMIS, ACM TOIT) and international conferences. His research interests include data mining, soft computing, artificial intelligence and machine learning, privacy preserving and security technologies, and IoT applications. He is the Editor-in-Chief of the International Journal of Data Science and Pattern Recognition, the Associate Editor of IEEE TNNLS, IEEE TCYB, IEEE TDSC, and others. He is the Fellow of IET (FIET), ACM Distinguished Scientists and IEEE Senior Member.

Abstract: As a large amount of data is collected daily from individuals, businesses, and other organizations or applications, various algorithms have been developed to identify interesting and useful patterns in data that meet a set of requirements specified by a user. The main purpose of data analysis and data mining is to find new, potentially useful patterns that can be used in real-world applications. For example, analyzing customer transactions in a retail store can reveal interesting patterns about customer buying behavior that can then be used for decision making. In recent years, the demand for utility-oriented pattern mining and analytics has increased because it can discover more useful and interesting information than basic binary-based pattern mining approaches, which has been used in many domains and applications, e.g., cross-marketing, e-commerce, finance, medical and biomedical applications. In this talk, I will first highlight the benefits by using the utility-oriented pattern mining and analytic compared to the past studies (e.g., association rule/frequent itemset mining). I will then provide a general overview of the state of the art in utility-oriented pattern mining and analytic techniques according to three main categories (i.e., data level, constraint level, and application level). Several techniques and modeling on different aspects (levels) of utility-oriented pattern mining will be presented and reviewed.

Keynote Speech 6: Recent Existence Results for Double-Phase Problems



Prof. Andrea Scapellato Department of Mathematics and Computer Science, University of Catania, Italy.

Biography: Andrea Scapellato received his Bachelor's Degree in Mathematics (summa cum laude) in 2012 from the University of Catania, he obtained his Master's Degree in Mathematics (summa cum laude) in 2014 from the University of Catania and he received his PhD Degree in Mathematics and Computer Science in 2018 from the University of Catania. Currently he is a Postdoctoral researcher at the University of Catania. He won the Study award 2019 for "Recent research developments in the area of Mathematical Sciences", Gioenian Academy (Catania). His research interests deal with partial differential equations (regularity theory, existence theory and applications to physical and biological processes), theory of operators, Morrey-type spaces, nonstandard function spaces (e.g. function spaces with variable exponents, generalized function spaces, anisotropic function spaces) and their applications, variational methods, critical groups theory, nonlinear regularity, oscillation criteria for ordinary differential equations. He is a member of UMI (Unione Matematica Italiana) and GNAMPA (Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni). He participated, as Speaker and Organizer, in several national and international conferences and he is Editor and Reviewer for several international journals.

Abstract: Partial differential equations with variable exponents arise in the description of several mathematical models in electrorheological and thermorheological fluids, image processing and robotics. A lot of nonlinear problems appear in the applied sciences and the classical Lebesgue and Sobolev spaces demonstrated their limitations in the qualitative analysis of problems related to several applications. The aim of this talk is twofold: first of all, we present the mathematical background that permits a detailed study of some double-phase problems in the framework of function spaces with variable exponents and then we discuss some recent existence results related to double-phase problems. In particular, we consider a nonlinear elliptic Dirichlet problem driven by the anisotropic (p,q)-Laplacian and with a nonparametric reaction that exhibits the combined effects of a singular term and a superlinear perturbation. Applying some variational tools together with truncation and comparison techniques, we study the existence and the multiplicity of positive solutions for the problem under consideration.

Part IV Oral Presentations

Saturday, August 13, 2022 Part 1-11:15-12:00 Part 2-14:55-18:55			
		Part 1	
11:15-11:30	CS311	Simulation Research and Development of New Marine Simulator based on Videotrace Dr. Tingyun Li, FuJian ChuanZheng Communications College, China.	
11:30-11:45	CS316	Research on the Influencing Factors of Quality and Safety Control of the Whole Industrial Chain of Agricultural Products Based on LDA Model from the Perspective of Agricultural Leading Enterprises <i>Ms. Xiaofei Li, Jiangsu University, China.</i>	
11:45-12:00	CS317	System-Level Performance Evaluation for Multiple IoV Applications Mr. Jiayin WANG, Beijing University of Posts and Telecommunication, China.	
12:00-13:25	LUNCH	I BREAK	
13:30-14:50	Keynote Speeches		
		Part 2	
14:55-15:10	CS326	High order compact split step finite difference method for two-dimensional coupled nonlinear Schrödinger system Dr. Pengfei Zhu, Guizhou University of Commerce, China.	
15:10-15:25	CS337	Simulation Research On Green Energy Trading Market Under Multi-periods Trading Mr. Zhiwen Zhang, Guizhou University, China.	
15:25-15:40	CS341	Impulse Operation of Ethanol Fermentation Coupled Membrane Separation Based on Adaptive-MPC <i>Ms. Xinming Chai, Kunming University of Science and Technology, China.</i>	
15:40-15:55	CS382	Research on the Evaluation Index System of Autonomous Ship Berthing and Unberthing Function <i>Ms. Qian Zhang, Jiangsu University of Science and Technology, China.</i>	
15:55-16:10	CS392	The Tunnel Fire Emergency Response Ontology Construction Prof. Wenyan Zhang, China Fire and Rescue Institute, China.	
16:10-16:25	CS393	Core-Firm Financial Structure on Reverse Factoring with Machine Learning Models <i>Mr. Zhuomin Liang, Shenzhen University, China.</i>	

		Carbon Price Prediction Using Complete Ensemble Empirical Mode
16:25-16:40	CS406	Decomposition with Adaptive Noise Analysis and Convolutional Neural
		Network
		Ms. Yuanling Wang, Chongqing Technology and Business University, China.
		Real Power Loss Reduction by Choosing Certain Parameters to Modernize -
16:40-16:55	CS407	Grounded Algorithm
		Prof. Kanagasabai Lenin, Prasad V. Potluri Siddhartha Institute of
		Technology, Inala.
16.55 17.10	00412	Research on the Protection and Inheritance of Intangible Cultural Heritage
16:55-17:10	CS413	Based on Digital Technology
		Ms. Lifang Guo, Dallan Polytechinic University, China.
17.10 17.25	00410	Compact MINIO Antenna Array for 5G Applications based Novel
1/:10-1/:25	CS416	Modified-Koch Fractal Geometry
		Dr. Tana A. Elwi, Al-Ma moon University College, Iraq.
17.25 17.40	CS410	Modelle A Case Application on Apple Apple Decides Incinentian
1/:25-1/:40	CS419	Model: A Case Application on Amphotericin Residue Incineration
		Mr. Ansnun Cui, Qingado University of Technology,, China.
17.40 17.55	CS427	Study on Damage Mechanism of Fracturing Fluid Reservoir and RBF Neural
1/:40-1/:33		Network Prediction
		Mr. Fel Chen, Changqing Downhole Technology Company, China.
17:55-18:10	CS429	Substrate Effects on the Plasmonic Resonance of Graphene Nano-Antenna
		Dr.Kavitna S NMAMII, NMAMII, Nitte, Inaia.
18:10-18:25	CS434	A Multi-Objective Portfolio Model and its Solution
		Mr. Chunyan He, International College of Guangxi University, China.
	CS439	Structure Design and Simulation Analysis of Portable Movable Type Chinese
18:25-18:40		Teaching Aids
		Dr. Chao Wang, Dalian Polytechnic University, China.
	CS445	A Legendre Polynomial Approach for Multimodal Analysis of the
18:40-18:55		Transverse-Type Rectangular Piezoelectric Transformer with Common
		Ground Electrodes
		Dr. Joli Randrianarivelo, University of Fianarantsoa, France.

Part V List of Poster Presentations

1	CS307	Water Quality Monitoring System Based on Water Outlet Hydroelectric Power Generation		
2	CS308	3D Printing System and Method of Organic Polymer Solar Cell Device Based on Blockchain		
3	CS309	Design of Water Flow Alarm Based on Fuzzy Control		
4	CS310	Random Access Mechanism Based on Priority Discrimination in Internet of Things		
5	CS312	Forward-Backward Diffusion and Pruning-based Cost Aggregation for Non-local Stereo Matching		
6	CS319	Failure Analysis of Ship-borne Mast Based on Finite Element Method		
7	CS322	Satellite Model Refinement for Approaching Disabled Satellites using Modified Least Square Method		
8	CS330	The Co-movements Analysis of Military Expenditure Based on Complex Network Approach		
9	CS333	Simulation Research on Helicopter Airframe Vibration Reduction based on Intelligent Control		
10	CS336	An Optimization Method of Radar Deployment Based on Detection Probability Combining PSO Algorithm with Variable Weight		
11	CS339	A Weak-Strong Competition Model with Robin and Free Boundary Conditions		
12	CS340	Confidence Evaluation Algorithm of Aerospace Software Based on Deep Auto-encoding Network		
13	CS343	Analysis and Optimization of low-Voltage and High-Current Matrix Current-Doubler Rectifiers Integrated Magnetic Components		
14	CS344	Measurement and Modeling of Long Multi-Conductor Shielded Cable Based on Fast Vector Fitting Algorithm		
15	CS345	Analysis and Optimization of Coil Loss in Mobile Phone Wireless Power Transfer System		
16	CS346	ST-AGNN: Spatial-Temporal Attention Graph Neural Network for Pedestrian Trajectory Prediction		
17	CS354	CAE Optimization Analysis and Design of Injection Mold Cooling System for Digital Camera Battery Cover		
18	CS355	Selection and Warpage Deformation Optimization of Clamshell Parts Based on CAE Technology		
19	CS356	Design of Intelligent Scheduling System for Wine Grape Agricultural Equipment Based on User Requirement		
20	CS359	An Optimization Model of Dam Water Resources Dynamic Scheduling		
21	CS360	Inquiry of C ₄ Olefin Chemical Technology Based on Statistical Modeling		
22	CS361	Health Assessment of Higher Education System Based on 3D Baseline Cube Model		
23	CS363	Gold or BTC: The Best Trading Strategy		
24	CS375	High-Performance Batched LU Decomposition on GPU		
25	CS378	Research on Control System of Upper Limb Rehabilitation Training Based on Reinforcement Learning		

26	CS384	Ontology Construction for Building Fire Emergency Response		
27	CS397	Numerical Simulation of Performance of TLD Device With a Ribbed Baffle		
28 CS300	C\$300	A Path Planning Method for Scrap Recycling Vehicles Based on Improved Genetic		
20	03399	Algorithm		
29	CS400	Investigation on the Effect of Anti-Braking System on Nose Landing Gear Shimmy		
20	CS401	Simulation Research on Back Flushing Time of High Pressure Back Flushing Filter		
30	C3401	Station		
21	CS417	Prediction of Agricultural Products Logistics Demand in Five Provinces of North		
51	0.5417	China Based on BP Neural Network		
22	CS422	An Entity Relationship Extraction Model Based on BERT-BLSTM-CRF Algorithm		
52	C3422	for Cosmetics Domain		
33	CS423	Crime Prediction with Quantitative Information		
34	CS425	Research on Simulation Experimental Platform under New Power System		
25	CS426	Investigation of the Displacement Transfer Characteristic and Parameter Optimization		
55	35 CS426	Design of Fluid-Elastic Isolator		
36	CS430	Research on Curve Lane Detection Method Based on Deep Learning		
27	CS422	Risk Classification Study of Carbofuran in Vegetables Based on K-means++		
3/	C5452	Algorithm		
38	CS438	Analysis of Food Sampling Data Based on CARMA Algorithm		
39	CS440	Modeling and Simulation of DFIG Based on FPGA-CPU		
40	CS449	Research on Multi-Target Detection and Tracking Algorithm Based on Improved		
40		YOLOv5		

Part VI Acknowledgments

On behalf of the AMMCS 2022 Organizing Committee, we would like to take this opportunity to express our sincere gratitude to our participants. We would also like to express our acknowledgements to the Technical Program Committee members who have given their professional guidance and valuable advice as reviewers. For those who contribute to the success of the conference organization without listing the name below, we would love to say thanks as well.

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