



ISDA 2020

Technical Program Schedule (2.0)

ONLINE on CISCO Webex platform

December 12, 2020 - Saturday

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09:00 - 10:00 GMT:

Plenary 1: Prof. Dr. Sushmita Mitra, Indian Statistical Institute, Kolkata, India

10:00 - 11:00 GMT:

Plenary 2: Prof. Dr. Bassem Jarboui, Sfax University, Tunisia

11:00 - 12:00 GMT: ISDA – 01

Session Chair: Ivo Pereira

11 English-Hindi Cross language query translation and Disambiguation using most salient seed word

Pratibha Maurya

16 A2PF: An Automatic Protein Production Framework

Mohamed Hachem Kermani and Boufaida Zizette

26 ImageFuse: A Multi-view Image Featurization Framework for Visual Question Answering

Sruthy Manmadhan and Binsu C Kovoov

30 A study on Evolutionary Algorithms to reopen organizations safely during COVID-19

Ashi Gala

12:00 - 13:00 GMT: ISDA – 02

Session Chair: André Santos

31 Learning Spherical Word Vectors for Opinion Mining and Applying on Hotel Reviews

Sandra Rizkallah, Amir Atiya and Samir Shaheen

45 Low-Cost, Ultrasound-Based Support System for the Visually Impaired

Manuel Ayala-Chauvin, Patricio Lara-Alvarez, Jorge Peralta and Albert de la Fuente-Morato

69 Fuzzy System for Facial Emotion Recognition

Kanika Gupta, Megha Gupta, Jabez Christopher and Vasanth Arunachalam

86 Closed-Loop Active Model Diagnosis using Bhattacharyya Coefficient: Application to Automated Visual Inspection

Jacques Noom, Hieu Thao Nguyen, Oleg Soloviev and Michel Verhaegen

13:00 - 14:00 GMT: ISDA – 03

Session Chair: Ana Madureira

- 98 Deep learning with moderate architecture for Network Intrusion Detection System
Safa Mohamed and Ridha Ejbali
- 102 Design Thinking based Ontology Development for Robo-Advisors
Ildikó Szabó, Gábor Neusch and Réka Vas
- 105 Cyclotomic Fast Fourier Transform with Reduced Additive Complexity
Tejaswini Panse, Prashant Deshmukh, Monica Kalbande and Yashika Gaidhani
- 109 IK-prototypes: Incremental Mixed Attribute Learning based on K-prototypes
Algorithm, a new method.
Siwar Gorraab and Fahmi Ben Rejab

December 13, 2020 - Sunday

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09:00 - 10:00 GMT:

Plenary 3: Prof. Dr. Tzung-Pei Hong, National University of Kaohsiung, Taiwan

10:00 - 11:00 GMT: ISDA - 04

Session Chair: Nuno Bettencourt

- 116 DC link voltage control of stand-alone PV tied with battery energy storage
system
Pallavi Verma, Priya Mahajan and Rachana Garg
- 124 Thumbnail Personalization for Users Based on Genre Preferences
Hrithik Jha, Abhay Patel and Aswani Cherukuri
- 129 Interval-valued feature selection for classification of text documents
D S Guru, Vinay Kumar N, Swarnalatha K and Basavaraj S Anami
- 136 Long Term Stock Market Prediction with Recurrent Neural Network Architectures
Emil Kalbaliyev and Gabor Szegedi

11:00 - 12:00 GMT: ISDA – 05

Session Chair: Catarina Reis

- 145 A non-compensatory multicriteria model for sorting the influence of PBL over
professional skills
Helder Gomes Costa and Anabela Carvalho Alves

- 148 K-Means And Multicriteria Decision Aid Applied To Sustainability Evaluation
Helder Gomes Costa and Rafaela Lima Santos de Souza
- 150 Diabetes Self-Management Mobile Apps Improvement based on Classifying User
Reviews
Najwa Benalaya, Mariem Haoues and Asma Sellami
- 164 Isolated Kannada Character Recognition using Transfer Learning
Pratiksha R Reddy and Mamatha H R

12:00 - 13:00 GMT: ISDA – 06

Session Chair: Bruno Cunha

- 66 Covid-19 and the Pulmonary Immune System Fight : A Game Theory Model
Said Lakhali and Zouhair Guennoun
- 169 Real-Time Content-based Cyber Threat Detection with Machine Learning
Emre Kocyigit, Mehmet Korkmaz, Ozgur Koray Sahingoz and Banu Diri

December 14, 2020 - Monday

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09:00 - 10:00 GMT:

Plenary 4: Prof. Dr. André Rossi, Université Paris-Dauphine, France

15:00 - 16:00 GMT:

Plenary 5: Prof. Dr. Amine Nait-Ali, University Paris-Est Créteil, France

December 15, 2020 - Tuesday

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13:00 - 14:00 GMT:

Plenary 6: Dr. Rudy A. Oude Vrielink, University of Twente & TwiQel, Netherlands

14:00 - 15:00 GMT:

Plenary 7: Prof. Dr. Frederico Gadelha Guimarães, Federal University of Minas Gerais, Brazil

15:00 - 16:00 GMT:

Plenary 8: Prof. Dr. Fakhri Karray, University of Waterloo, Canada

December 16, 2020 - Wednesday

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09:00 - 10:00 GMT:

Plenary 9: Prof. Dr. Saman K. Halgamuge, University of Melbourne, Australia

10:00 - 11:00 GMT:

Plenary 10: Prof. Dr. Salvador García, University of Granada, Granada, Spain

11:00 - 12:00 GMT:

Plenary 11: Prof. Dr. Vincenzo Piuri, Università degli Studi di Milano, Italy

12:00 - 13:00 GMT:

Plenary 12: Prof. Dr. Dries F. Benoit, Ghent University, Belgium

14:00 - 15:00 GMT:

Plenary 13: Prof. Dr. Dijiang Huang, Arizona State University, USA

December 17, 2020 - Thursday

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09:00 - 10:00 GMT:

Plenary 14: Prof. Dr. Ketan Kotecha, Symbiosis Institute of Technology, India

December 18, 2020 - Friday

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09:00 - 12:00 GMT:

Tutorial 1: Prof. Anand J Kulkarni, Symbiosis Center for Research and Innovation, Symbiosis International, India

15:00 - 16:00 GMT:

Plenary 15: Prof. Dr. Sheela Ramanna, University of Winnipeg, Canada

OFFLINE Presentations of ISDA 2020

- 1 Intelligent Automation Systems at the Core of Industry 4.0
Amit Kumar Tyagi, T Frederick, Shabnam K Tyagi and Shashvi Mishra
URL:
- 2 Hybrid Extreme Learning Machine and Backpropagation with Adaptive Activation Functions for Classification Problems
Tales Lima Fonseca and Leonardo Goliatt
URL: <https://youtu.be/9XjRCiZ3pZM>
- 4 Assessing an Organization Security Culture Based on ENISA Approach
Wasnaa Kadhim
URL: <https://youtu.be/q7IX9XvDf3k>
- 5 Evaluation of Information Security Policy for Small Company

Wasnaa Kadhim
URL: <https://youtu.be/GLy0MBPFRR0>

12 Relay UAV-Based FSO Communications over Log-normal Channels with Pointing Errors

Ha Duyen Trung
URL: <https://youtu.be/c8WA1ekJmMI>

15 A novel generalized form of cure rate model for an infectious disease with co-infection

Oluwafemi Samson Balogun, Xiao-Zhi Gao and Sunday Adewale Olaleye
URL: <https://youtu.be/6ubSjO8vDAg>

19 Open-Vocabulary Recognition Of Offline Arabic Text
Zouhaira Noubigh, Anis Mezghani and Monji Kherallah

URL: https://www.youtube.com/watch?v=l_55h7pa0j0

20 Formal verification of safety-critical systems: A case-study in airbag system design

Susmita Guha, Akash Nag and Rahul Karmakar
URL: <https://youtu.be/-ek09K83f8s>

22 Classification of Musical Preference in Generation Z through EEG Signal Processing and Machine Learning

Billy Ward, Chandresh Pravin, Alec Chetcuti, Yoshikatsu Hayashi and Varun Ojha

URL: https://www.youtube.com/watch?v=VWPS66_p4WE&feature=youtu.be

23 A locally weighted metric for measuring the perceptual quality of 3D objects
Nessrine Elloumi, Johan Debayle, Habiba Loukil and Mohamed Salim Bouhlel

URL: <https://youtu.be/A6KSJDEWV-M>

24 Transfer Learning for Instance Segmentation of Waste Bottles using Mask R-CNN Algorithm

Punitha Jaikumar, Remy Vandaele and Varun Ojha
URL: https://youtu.be/Un_ymVmoh60

27 Cooperative Advanced Driver Assistance Systems: A Survey and Recent Trends
Islam Elleuch, Achraf Makni and Rafik Bouaziz

URL:
https://www.youtube.com/watch?v=MN0CihA8RzY&feature=youtu.be&ab_channel=elleuchislam

28 Amended Convolutional Neural Network with Global Average Pooling for Image Classification

Aiman Al-Sabaawi, Hassan M. Ibrahim, Zinah Mohsin Arkah, Muthana Al-Amidie and Laith Alzubaidi

URL: <https://www.youtube.com/watch?v=wLFRuexza1k&t=27s>

29 Employment of Pre-trained Deep Learning Models for Date Classification: A Comparative Study

Aiman Al-Sabaawi, Reem Ibrahim Hasan, Mohammed Fadhel, Omran Al-Shamma and Laith Alzubaidi

URL: <https://www.youtube.com/watch?v=jHiHUtkSwLg>

32 Towards Developing a BCI based Hospital Cabin Management System
Md Shadman Aadeeb, Md. Mahadi Hassan Munna, Md. Raqibur Rahman and Muhammad Nazrul Islam

URL: <https://youtu.be/yH4-BdDmrco>

33 A discriminant function controller for elevator groups evolved by genetic algorithm

André Luis Ferreira Sá and José Everardo Bessa Maia

URL: <https://youtu.be/MYOEZAQfhyk>

34 Keyframe Extraction using Sobel Fuzzified Weighted Approach
Nandini H M, Chethan H K and Rashmi B S

URL: <https://youtu.be/kZJ57QcLtX4>

36 Deep Learning with Real-time Inference for Human Detection in Search and Rescue

Raúl Llasag Rosero, Carlos Fernando Grilo and Catarina Helena Silva

URL: https://www.youtube.com/watch?v=XOsMhOcGzl&feature=youtu.be&ab_channel=Ra%C3%BALLasagRosero

38 Design a Sliding Mode Control of Rotating Im-peller Magnetic Bearing System for Left Ventricle Device

Saleem Kadhim, Amjad Humaidi and Ahmed Gataa

URL: <https://www.youtube.com/watch?v=b9wFqEBND3s&feature=youtu.be>

39 Design and Construction of a Wireless Controlled Fire Extinguishing Robot
Md Milon Uddin, Imran Bin Jafor, Kanij Raihana, Tanwy Barua and Mohammed Belal Hossain Bhuian

URL: <https://youtu.be/P5FOwWgJLNI>

40 Investigating Data Distribution for Classification Using PSO With Adversarial Network

Xiaojing Zhang, Jiawei Fan, Lin Wang and Bo Yang

URL:

- 42 Study of Various Web-based Applications Performance in Nativ IPv4 and IPv6 Environments
Khalid El Khadiri, Ouidad Labouidya, Najib El Kamoun, Rachid Hilal, Fatima Lakrami and Chaimaa Belbergui
URL:
- 43 A phase memory controller for isolated intersection traffic signals
Nator J. C. da Costa and José Everardo Bessa Maia
URL: https://www.youtube.com/watch?v=fv_CPSi_-3A
- 44 Multiple Face Recognition Using Self-adaptive Differential Evolution and ORB
Guilherme Costa, Rafael Parpinelli and Chidambaram Chidambaram
URL: <https://youtu.be/t1SJksdyGWl>
- 46 SD-CCN architecture to improve QoE for Video Streaming applications
Amna Fekih, Sonia Gaied Fantar and Habib Youssef
URL: <https://youtu.be/l7TbNTiOUUw>
- 47 Dijkstra and A* Algorithms for Global Trajectory Planning in the TurtleBot 3 Mobile Robot
Pedro Assis Brasil, Fabio Ugalde Pereira, Marco Antonio de Souza Leite Cuadros, Anselmo Cukla and Daniel Gamarra
URL: <https://youtu.be/eqGJDQI3gNs>
- 48 A Data Mining framework for Response Modeling in Direct Marketing
Fátima Rodrigues and Tiago Oliveira
URL: <https://youtu.be/tlg5NtB5Es4>
- 49 WakeMeUp: Weight Dependent Intelligent and Robust Alarm System using Load Cells
Omar Bin Samin, Sumaira Imtiaz, Maryam Omar, Noman Naseeb and Samad Ali Shah
URL: <https://www.youtube.com/watch?v=qfnCdUUzpLU>
- 50 Visual Data Mining: A Comparative Analysis of Selected Datasets
Blessing Ogbuokiri, Ujunwa Mgbob, George Obaido and Kehinde Aruleba
URL: <https://youtu.be/3HIy8nR2Y-U>
- 51 NoSQL Big Data Warehouse: review and comparison
Senda Bouaziz, Ahlem Nabli and Faiez Gargouri
URL: <https://youtu.be/YL8d9m3hlag>
- 52 ICN Based DOS Attack Mitigation in Vehicle Adhoc Networks
Mahesh R Patil and Agilandeewari Loganathan
URL: <https://youtu.be/24GuveJuHh4>

- 53 From Machine Learning to Deep Learning for Detecting Abusive Messages in Arabic Social Media: Survey and Challenges
Salma Abid and Chiraz Zribi
URL: <https://youtu.be/Q5b2LsSvaZ8>
- 54 A-Part: Top-down Clustering Approach for Mesh of Clusters FPGA
Khouloud Bouaziz, Sonda Chtourou, Zied Marrakchi, Abdulfattah Obeid and Mohamed Abid
URL:
https://www.youtube.com/watch?v=lzifxFfSQtw&ab_channel=khouloudbouaziz
- 55 In-Car State Classification with RGB Images
Pedro Faria, Sandra Dixe, João Leite, Sahar Azadi, José Mendes, Jaime C Fonseca and João Borges
URL: <https://youtu.be/9DT7WD2mX4o>
- 56 Designing and Developing Graphical User Interface for MultiChain Private Blockchain: Towards Incorporating HCI in Blockchain
Tani Hossain, Tasniah Mohiuddin, A M Shahed Hasan, Muhammad Nazrul Islam and Syed Akhter Hossain
URL:
- 59 Novel Martingale Approaches for Change Point Detection
Jonathan Etumusei, Jorge Martinez Carracedo and Sally McClean
URL: <https://www.youtube.com/watch?v=lrPyHuZVT18>
- 60 Development of a reinforcement learning system to solve the job shop problem
Bruno Cunha, Ana Madureira and Benjamim Fonseca
URL: <https://youtu.be/VXxmuj9v1gw>
- 61 “One vs All” Classifier Analysis For Multi-label Movie Genre Classification Using Document Embedding
Sonia Guehria, Habiba Belleili, Nabihah Azizi and Samir Brahim Belhaouari
URL: <https://youtu.be/pFqPNEX7Mzo>
- 63 Analysis of the Superpixel Slic algorithm for increasing data for disease detection using Deep Learning
Luiz Daniel Garay Trindade, Fábio Paulo Basso, Elder de Macedo Rodrigues, Maicon Bernardino, Daniel Welfer and Daniel Müller
URL: <https://www.youtube.com/watch?v=FCyvOkYklgE>
- 64 Evaluating Preprocessing Techniques in Identifying Fake News
Matheus Marinho, Anthony J. C. C. Lins and Carmelo J. A. Bastos Filho
URL: https://youtu.be/4sVMdj_mN9g
- 67 IAS: Intelligent Attendance System based on Hybrid Criteria Matching

Fanglve Zhang, Jia Yu and Kun Ma

URL: <https://youtu.be/OZ8fM4eaB-4>

<https://drive.google.com/file/d/17E-kX13Syw8BI9uJA9q29NrVc9pF1Y8O/view?usp=sharing>

- 68 Energy-based comparison for workflow task clustering techniques
Youssef Saadi, Abdelhalim Hnini, Soufiane Jounaidi and Hicham Zougah
URL: <https://youtu.be/EAIYi9bWZTg>
- 72 Towards an approach of the contagion curve for Covid-19 in Mexico
Beatriz Bernabe-Loranca, Rogelio Gonzalez-Velazquez, Erika Granillo-Martínez and Jorge Ruiz-Vanoye
URL: <https://youtu.be/Lz9ke7TbPfM>
- 75 A review on existing methods and classification algorithms used for sex determination of silkworm in sericulture
Sania Thomas and Dr.Jyothi Thomas
URL: <https://youtu.be/P6TLbbQOST0>
- 76 Machine Learning-Based Big Data Analytics Framework for Ebola Outbreak Surveillance
Oluwafemi Sarumi
URL:
- 77 Comparison of Different Processing Methods of Joint Coordinates Features for Gesture Recognition with a CNN in the MSRC-12 Database
Júlia Peixoto, Miguel Pfitscher, Daniel Welfer, Marco Cuadros and Daniel Fernando Tello Gamarra
URL: <https://youtu.be/W8O4rSvjUMA>
- 78 Solving the Job Shop Scheduling Problem with Reinforcement Learning: a statistical analysis
Bruno Cunha, Ana Madureira and Benjamim Fonseca
URL: <https://youtu.be/HB23UTM9oiM>
- 82 Arabic Handwritten Recognition System using Deep Convolutional Neural Networks
Safa Jraba, Mohamed Elleuch and Monji Kherallah
URL: <https://www.youtube.com/watch?v=r3aqbhNzETg>
- 83 A Daily Production Planning Model Considering Flexibility of the Production Line under Uncertainty: A Case Study
Mohammad Sanjari-Parizi, Ali Navaei, Ajith Abraham and Seyed Ali Torabi
URL:
- 84 Academic Records: a feasible use case for Blockchain?

- Rita Oliveira, Catarina I. Reis and Marisa Da Silva Maximiano
URL: <https://youtu.be/YhYThhJIVDU>
- 85 Optimized NASNet for Diagnosis of COVID-19 from Lung CT Images
Subrato Bharati, Prajoy Podder, M. Rubaiyat Hossain Mondal and Niketa Gandhi
URL: <https://youtu.be/scFolmRqCLQ>
- 87 Robust Review on Privacy and Security Issues in present day attacks of Data Mining
Nitin Kumar and Prof Sudha T
URL: https://youtu.be/gMmxFZ_j8JA
- 88 Blindophile: Mobile Assistive Gesture-Empowered Ubiquitous Input Device
Ishita Agarwal, Udit Kumar, Rachit Jain, Ruchika Chugh and Ajith Abraham
URL: <https://youtu.be/P-nMOkCP6EM>
- 89 Analysis and Simulation for Mobile Ad hoc network using QualNet simulator
Mohammed Salah Abood, Mustafa Hamdi, Ahmed Shamil Mustafa, Yasir Abdalhamed Najem, Sami Abduljabbar Rashid and Imad Jalal Saeed
URL: <https://youtu.be/LONyAFnqbxw>
- 90 Social Media Data Integration: From Data Lake To NoSQL Data Warehouse
Hichem Dabbèchi, Nahla Zaaboub, Haytham Elghazel and Kais Haddar
URL:
- 91 Role of Antenna in Flying Adhoc Networks Communication: Provocation and Open Issues
Ashish Srivastava and Jay Prakash
URL:
- 92 Transmission over OFDM and SC-FDMA for LTE systems
Mustafa Maad Hamdi and Mohammed Salah Abood
URL: <https://youtu.be/yxzFQzxyr8c>
- 94 A decision Support System based on Ontology Learning from PMI' Project Risk Management
Wiem Zaouga and Latifa Ben Arfa Rabai
URL: <https://youtu.be/ma2hYnnV-E>
- 95 LWOntoRec: Light Weight Ontology Based Novel Diversified Tag Aware Song Recommendation System
Saicharan Gadamshetti, Gerard Deepak and A Santhanavijayan
URL: <https://youtu.be/o8xy8H641p4>
- 96 An optimization model for scheduling of households load profiles incorporating Electric Vehicles charging

- Pedro Barros, Adelaide Cerveira and José Baptista
URL: [youtube.com/watch?v=7DjCPBm86IU](https://www.youtube.com/watch?v=7DjCPBm86IU)
- 97 An adaptive MAC Protocol for Wireless Body Area Networks
Ferdawss Douma and Rafik Braham
URL: <https://youtu.be/-nfB-afEELc>
- 100 Graph matching in graph-oriented databases
Soumaya Boukettaya, Ahlem Nabli Chakroun and Faiez Gargouri
URL: <https://youtu.be/B0UtMA2Ev00>
- 101 A Static Analysis Approach to Detect Confidentiality Leakage of Database Query Languages
Angshuman Jana
URL: <https://youtu.be/U0B3qttWhqA>
- 103 Proposal for the development of a myoelectrically controlled prosthetic arm integrated with a web interface management system
José Carlos Barbon, Jonatan Dellagostin, Maria Emília Ribeiro, Laura Bortoncello, Gustavo Vaccari, Raul Sales, Gregório Salvador, Alexsander Carneiro, William Oliveira, Anselmo Cukla and Bianca Rossato
URL: <https://www.youtube.com/watch?v=7PwvXOVxzBk>
- 104 A school bus routing and scheduling problem with time windows and possibility of outsourcing with the provided service quality
Mohammad Reza Sayyari, Reza Tavakkoli-Moghaddam, Ajith Abraham and Nastaran Oladzad-Abbasabady
URL:
- 106 Inferring Contextual Data from Real-World Photography
Tiago Soares da Costa, Maria Teresa Andrade and Paula Viana
URL: <https://youtu.be/F7vfx13l-jo>
- 107 Post covid-19 attitude of consumers towards processed food – A study based on Natural language processing
Praveen Sv and Rajesh Ittamalla
URL: <https://www.youtube.com/watch?v=-xdIP3GJBbw&t=98s>
- 108 A Production Scheduling Support Framework
Paula Reis, André S. Santos, João Bastos, Ana M. Madureira and Leonilde R. Varela
URL: <https://www.youtube.com/watch?v=l-OBFL4IZOs>
- 110 Template matching and deep CNN-SVM for online characters recognition
Rabaa Zitouni, Hala Bezine and Najet Arous
URL: <https://youtu.be/C9FyRV5F4R8>

- 111 A Gradient Boosting Classifier for Predicting Chronic Kidney Disease Stages
João Paulo Scoralick, Gabriele Iwashima, Fernando Colugnati, Priscila Capriles
and Leonardo Goliatt
URL: <https://youtu.be/HNkIJg8Dmgc>
- 112 Land Cover Classification using Deep Convolutional Neural Networks
Reham Gharbia, Nour Eldeen Khalifa and Aboul Ella Hassanien
URL: <https://www.youtube.com/watch?v=1BOgWVH2ies>
- 113 QoE aware Routing protocol in Content-Centric Mobile Networks based on SDN
Architecture for video Streaming applications
Amna Fekih, Sonia Gaied Fantar and Habib Youssef
URL: <https://youtu.be/W59IHugxiR0>
- 117 Identifying achievable goals for adaptive replanning against runtime environment
change
Jialong Li, Kenji Tei and Shinichi Honiden
URL: <https://youtu.be/4LIAZgIVHMM>
- 118 Transfer learning for autonomous vehicles obstacle avoidance with virtual
simulation platform
Leila Meftah and Rafik Braham
URL: <https://youtu.be/Co8PHAYczNs>
- 119 Go Green: A Web-Based Approach for Counting Trees from Google Earth
Images
Bhavesh Wani
URL: <https://youtu.be/7Mt2cypVz-A>
- 120 Machine Learning Approaches for Human Activity Recognition Based on
Multimodal Body Sensors
Ghada Gamal, Yasser Omar and Fahima Maghraby
URL: <https://youtu.be/lc69HYglX1k>
- 125 OPTrack: A Novel Online People Tracking System
Mayssa Frikha, Emna Fendri and Mohamed Hammami
URL:
https://www.youtube.com/watch?v=huzC203z1NE&ab_channel=mayssafrikha
- 126 A hybrid heuristic for a three-stage assembly flow shop scheduling problem with
sequence dependent setup time
Saulo Campos, José Elias Claudio Arroyo and Matheus Freitas
URL:
https://www.youtube.com/watch?v=UN9YOycqoLI&ab_channel=JoséEliasClaudioArroyo

- 127 Fuzzy-probabilistic approach for dense Wireless Sensor Network
Flávio Rs Nunes, Crislânio de S. Macêdo, Jéferson do N. Soares, Haniel G. Cavalcante, Marcelo Q. L. Brilhante and José E. B. Maia
URL: <https://www.youtube.com/watch?v=4dm04GPWavU>
- 131 Evaluation of User's Emotional Experience through Neurological and Physiological Measures in Playing Serious Games
Tarannum Zaki, Nafiz Imtiaz Khan and Muhammad Nazrul Islam
URL: <https://www.youtube.com/watch?v=DMVUMIZKweY&feature=youtu.be>
- 132 Development of Low Cost Intelligent Tracking System Realized On FPGA Technology for Solar Cell Energy Generation
Alaa Hamza Omran, Mohammed Salih Mahdi, Yaser M Abid and Abdul-Majeed Gh
URL: <https://youtu.be/PDaDrF7kaJI>
- 133 An Inclusive Survey On Signature Recognition System
Agilandeewari L, Yerru Nanda Krishna Arun, Chikkala Nikhil, Suri Koushmitha and Chaithanya A
URL: <https://www.youtube.com/watch?v=MzU4tQXyMLc&feature=youtu.be>
- 134 A Comprehensive Analysis of Keystroke Recognition System
Agilandeewari L, Ragul V, Syed Mohammed Nihal S and Rahaman Khan M
URL: <https://youtu.be/XBdzhWD70a4>
- 137 Obsolete information detection using a Bayesian networks approach
Salma Chaieb, Ali Ben Mrad, Brahim Hnich and Véronique Delcroix
URL: <https://youtu.be/BGGjFiQWbtc>
- 138 HCRDL: Hybridized Approach for Course Recommendation Using Deep Learning
Roopak N, Gerard Deepak and Santhanavijayan A
URL: <https://youtu.be/x1mqmNeFBu4>
- 139 Toward an intelligent system architecture for smart agriculture: application to smart beehives
Jean-Charles Huet, Lamine Bougueroua, Yassine Kriouile and Alain Moretto
URL: <https://youtu.be/cBiR8vML0dM>
- 140 Ontology-based knowledge description model of climate change
Deepak Surya Sivakumar, Gerard Deepak and Santhanavijayan A
URL: <https://youtu.be/-hvYbnHLty0>
- 141 Tuning hyperparameters on unbalanced medical data using Support Vector Machine and Online and Active SVM

- Walid Ksiai, Fahmi Ben Rejab and Kaouther Noura
URL:
- 143 Human speaker recognition based database method
Mohammed A. Fadhel
URL:
- 144 A Survey on Versioning Approaches and Tools
Leila Bayoudhi, Najla Sassi and Wassim Jaziri
URL: <https://www.youtube.com/watch?v=amyF6UwuVf4>
- 146 Using NER+ML to Automatically Detect Fake News
Marcos Spalenza Spalenza, Elias Oliveira, Leopoldo Lusquino-Filho, Priscila Lima and Felipe França
URL: <https://youtu.be/WIsLjnaPHy4>
- 147 Diagnosing coronavirus (COVID-19) utilizing several deep learning models: comparison research
Omran Al-Shamma, Mohammed A. Fadhel, Laith Alzubaidi, Laith Farhan and Muthana Al-Amidie
URL:
- 149 A Bottom-Up Approach For Feature Model Extraction From Business Process Models
Jihen Maâzoun, Mariem Mefteh, Nadia Bouassida and Belmabrouk Mouna
URL:
- 151 A statistical based modeling approach for Deep Learning based speech emotion recognition
Sara Sekkate, Mohammed Khalil and Abdellah Adib
URL: https://youtu.be/2BLS0H_GENw
- 152 r AVA: A Robot for Virtual Support of Learning
Elias Oliveira, Marcos Spalenza and Juliana Campos
URL: https://youtu.be/PDG1SU7_Zbl
- 153 Finding Entities and Related Facts in Newspaper
Jaimel Lima, Cristiano Silveira Colombo, Flávio Izo and Elias Oliveira
URL: <https://www.youtube.com/watch?v=Zlhb4NjXLu8>
- 154 Experimental Investigation of the Factors Influencing Researchers' Adoption of Crowdsourcing and Machine Learning: An Initial Survey
Antonio Correia, Daniel Schneider, Shoaib Jameel, Hugo Paredes and Benjamim Fonseca
URL: <https://youtu.be/k897AKWjQLw>

- 155 A Multi-agent Driven Model For Distributed Collaborative Editing
Moulay Driss Mechaoui
URL: <https://youtu.be/ESKeXc8RDyU>
- 156 Loan Charge-off Prediction Including Model Explanation for Supporting Business Decisions
Abdullah Al Imran and Md Nur Amin
URL: <https://www.youtube.com/watch?v=0puxCB5dmb0>
- 157 Intelligent Traffic Signal Control Based on Reinforcement Learning
Natalija Dokic, Miroљub Tomic, Jasmina Stevic, Dunja Dokic and Ning Xiong
URL: <https://youtu.be/SK2G1z8upoU>
- 158 An Iterated Local Search for the Multi-Objective Dial-a-Ride Problem
Alba Campos and André Amaral
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