

20th International Conference WWW/Internet 2021
18th International Conference on Applied Computing 2021

CONFERENCE PROGRAM

IMPORTANT NOTICE: listed times are in **GMT+1 (Lisbon Time)**, you can check your timezone at <https://greenwichmeantime.com/time-zone/gmt-plus-1/> (you can use the provided URL to insert your location and see your time in relation to GMT+1).

Wednesday 13th, October 2021

11:15-11:30 Session O – Opening Session

OPENING SESSION

Profs. Pedro Isaiás and Hans Weghorn

11:30-12:30 Session KL – Keynote Presentation

BLOCKCHAIN TECHNOLOGY AS A FOUNDATION FOR A FUTURE WEB

Professor Bebo White, Department Associate (Emeritus), SLAC National Accelerator Laboratory/Stanford University at Menlo Park, California, USA

12:30-14:00 Lunch Break

14:00-14:45 Session FP 13.1

Applications and Uses

Chair: Henri Emil Van Rensburg

SAASPORT MODEL: EXPLORING PROTOCOL PORTABILITY, RESOURCE ELASTICITY AND MICROSERVICE ARCHITECTURE IN THE EFFICIENT EXECUTION OF IOT (F028)

Maria Gisele Flores da Silveira, Wagner da Silva Silveira, Rodrigo da Rosa Righi, Cristiano André da Costa and Dalvan Griebler

TRANSPARENCY IN SPANISH TOWN COUNCIL WEBSITES: A STUDY OF MUNICIPALITIES WITH BETWEEN 5001 AND 10,000 INHABITANTS (F021)

Antonio Muñoz-Cañavate, Melisa Pérez Cebadero and María José Tena Mateos

14:00-15:00 Session FP 13.2

Security and Privacy

Chair: Joschka Kersting

SELECTIVE PRIVACY IN IOT SMART-FARMS FOR BATTERY-POWERED DEVICE LONGEVITY (F015)

Steph Rudd and Hamish Cunningham

EXPLORING SQL INJECTION VULNERABILITIES USING ARTIFICIAL BEE COLONY (F057)

Kevin Baptista, Anabela Bernardino and Eugénia Bernardino

15:00-16:00 Session KL – Keynote Presentation

FROM EDGE VIDEO ANALYTICS TO FEDERATED LEARNING

Professor Dr. Ling Liu, School of Computer Science, Georgia Institute of Technology, USA

16:00-16:15 Coffee Break

16:15-18:05 Session FSRP 13.3

Information Retrieval // Data Analytics and Machine Learning

Chair: Maria Madlberger

DEVELOPMENT OF A FOCUSED WEB PAGE CRAWLER BASED ON GENRE AND CONTENT (F050)

Marcelo Trajano Alves Júnior, Marcos Felipe Pontes Rezende and Guilherme Tavares de Assis

GRAPH BASED TEMPORAL AGGREGATION FOR VIDEO RETRIEVAL (F049)

Aprameya Bharadwaj, Arvind Srinivasan, Aweek Saha and Subramanyam Natarajan

A SYSTEMATIC REVIEW ON THE IMPLEMENTATION OF BUSINESS INTELLIGENCE AT FEDERAL UNIVERSITIES (F051)

Lola Thiago Rizzi Santos, Marcos Wagner S. Ribeiro, Weuler Borges Santos, Lucas Rodrigues Costa and Carlos Gabriel S. Stédile

ASSESSING THE INCONSISTENCY IN ONLINE NEWS (S034)

Honour Chika Nwagwu, Guy Pascal Kibuh, Hyacinth Agozie Eneh and Stanley Abhadiomhen

GENOMIC DATA ANALYSIS: CONCEPTUAL FRAMEWORK FOR THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN PERSONALIZED TREATMENT OF ONCOLOGY PATIENTS (R026)

Renata Kelemenic-Drazin and Ljerka Luic

16:15-17:50 Session FSRP 13.4

Evaluation and Assessment // Other

Chair: Anabela Moreira Bernardino

ESTIMATING CONTAMINATION RISK USING ARTIFICIAL INTELLIGENCE MODELS. A CASE OF THE PATIÑO AQUIFER, PARAGUAY (F059)

Eliane H. Fernández, Liz Báez, Miguel Garcia-Torres, Juan Pablo Nogués and Cynthia Villalba

IMPROVING THE PERFORMANCE OF BIGBLUEBUTTON FOR TEACHING ONLINE COURSES (F017)

Christian Uhl and Bernd Freisleben

EVALUATION OF NAMED ENTITY RECOGNITION FOR THE GERMAN E-COMMERCE DOMAIN (S027)

Sergej Denisov and Frederik S. Bäumer

VALIDITY CHECKING OF PROVENANCE DATA FROM SOFTWARE DEVELOPMENT PROCESSES (R042)

Marcela Gomes Pinheiro and Gabriella Castro Barbosa Costa

Thursday 14th, October 2021

09:45-10:45 Session SP 14.1

Performance

Chair: Sergej Denisov

COST REDUCTION ESTIMATION METHOD OF A SOFTWARE VULNERABILITY MANAGEMENT TOOL (S054)

Satoshi Yashiro, Pranay Verma, Norihisa Komoda and Takenao Ohkawa

OPTIMISING THE PERFORMANCE OF TELECOMMUNICATION BULK EXPORT USING A MACHINE LEARNING CLOSED LOOP SYSTEM BASED ON HISTORIC PERFORMANCE (S025)

Barbara Conway, John Francis and Enda Fallon

APPLICATION DEVELOPMENT FOR MUSIC RECOMMENDATION SYSTEM USING DEEP DETERMINISTIC POLICY GRADIENT (S061)

Rathin S. Kamble, Sujala D. Shetty and Aljo Jose

10:45-11:00 Coffee Break

11:00-12:30 Session FSP 14.2

Web 2.0 // Human Computer Interaction and Usability

Chair: Honour Nwagwu

THAI IMMIGRANTS' PERCEPTIONS AND ATTITUDES TOWARDS SOCIAL MEDIA USE IN CHINESE LEARNING IN TAIWAN (F046)

Nalatpa Hunsapun and Chao-Chen Chen

IMPROVING KNOWLEDGE MANAGEMENT USING WIKI TOOL THROUGH EXPERIMENTAL STUDIES (F039)

Bruno A. Bonifacio, Raquel Cunha, Franciney Lima, Luis H. P. Albuquerque, Marcelo S. Ayres, Fernanda Souza, Ana M. Moreno and Erika S. Muniz

DIALOGBOOK2: AN IMPROVEMENT OF E-PORTFOLIO SYSTEM FOR INTERNATIONAL COMMUNICATION LEARNING (S068)

Jun Iio, Shigenori Wakabayashi and Junji Sakurai

PARTIAL RESULTS OF A REVIEW OF SURVEY METHODS MEASURING E-PRIVACY CONCERNS (P033)

Anders Matre, Magnus Englund and Vanessa Ayres-Pereira

12:30-14:00 Lunch Break

14:00-16:15 Session FP 14.3
Fundamental Concepts and Engineering
Chair: Rodrigo Righi

A DATA-DRIVEN STUDY OF CITIZEN SCIENCE DATA QUALITY ASSESSMENT PROFILE (F038)

Jailson N. Leocadio and Antonio M. Saraiva

EVALUATING YONA LANGUAGE (F034)

Adam Kövári, Alexander Meduna and Zbyňek Krivka

FEASIBILITY STUDY AND EMPIRICAL ANALYSIS OF A LOW-COST FINGERPRINT RECOGNITION FOR IMMUNIZATION TRACING (F064)

Esther Mukoya, Richard Rimiru and Michael Kimwele

PARALLEL BACKTRACKING FOR THE STUDY OF THE HYDROPHOBIC-POLAR MODEL (F082)

Ioan Sima and Daniela-Maria Cristea

TOWARDS PROGRAMMING WITH FIRST-CLASS PATTERNS (R051)

Lutz Hamel, Timothy Colaneri, Ariel Finkle and Oliver McLaughlin

Friday 15th, October 2021

09:25-10:45 Session FSP 15.1
Automation of Services // Other
Chair: Joschka Kersting

PERSONAL GREENHOUSE MONITORING WITH THE AID OF THE INTERNET OF THINGS ACROSS CONTINENTS (F079)

Richard A. Teunen and Henri E. van Rensburg

AN AUTOMATED PARALLEL COMPATIBILITY TESTING FRAMEWORK FOR WEB-BASED SYSTEMS (F022)

Yeisson Chicas and Stephane Maag

IN OTHER WORDS: A NAIVE APPROACH TO TEXT SPINNING (S026)

Frederik S. Bäumer, Joschka Kersting, Sergej Denisov and Michaela Geierhos

10:45-11:00 Break

11:00-13:00 Session FP 15.2
Applications and Uses
Chair: Maria Madlberger

IMPACT OF PROMOTIONAL SOCIAL MEDIA CONTENT ON CLICK-THROUGH RATE – EVIDENCE FROM A FMCG COMPANY (F059)

Maria Madlberger and Jiri Jizdny

USING NEURAL MACHINE TRANSLATION FOR DETECTING AND CORRECTING GRAMMATICAL ERRORS (F069)

Dongqiang Yang, Xiaodong Sun and Pikun Wang

FINDING SYNONYMS IN A SYNTACTICALLY CONSTRAINED VECTOR SPACE MODEL (F075)

Dongqiang Yang, Xiaodong Sun and Pikun Wang

BUILDING A SEARCH-BASED ARCHITECTURE TO ENHANCE PRODUCT CERTIFICATE VERIFICATION AND REDUCING COUNTERFEIT (F023)

Eduard Daoud and Martin Gaedke

13:00 Best Paper Awards Ceremony and Closing Session

Profs. Pedro Isaías and Hans Weghorn