



SIICUSP 2021 - 29º Simpósio Internacional de Iniciação Científica da USP
Escola Politécnica da USP

Programação

Lista em ordem alfabética do título do trabalho.

Esta programação não se refere à ordem de apresentação dos trabalhos no dia do evento. A ordem de apresentação será definida pelos coordenadores de sala em função da disponibilidade dos avaliadores.

Dia 28 de setembro, das 13h30 às 16h30

Engenharias Química, Metalúrgica, Materiais, Minas e Petróleo

Sala 1

Título do trabalho	Autor	Orientador	Inscrição
Corrosion resistance of thin dlc (diamond-like carbon) films obtained by the pecvd technique deposited on aa6061 aluminum alloy	Daniele Ferreira Neves Consani	Felipe Carneiro da Silva	3549
Evaluation of different crushing equipment's in the mineral liberation in pre-concentration circuits	Andre Hiroshi Asakawa	Maurício Guimarães Bergerman	2315
POLYMERIC COMPOSITES: AGRO-INDUSTRIAL WASTE AS REINFORCEMENT AND GREEN PRO-DEGRADING ADDITIVE	Henrique Issamu Taguchi	Elizabeth Grillo Fernandes	1976
Quantification of lithium at TiO ₂ interfaces and its influence on photocatalytic properties	Giovanna Jaques Caldeira	Douglas Gouvêa	2840
Rheology of iron ore suspensions	Israel da Silveira Cavalcante	Laurindo de Salles Leal Filho	2224
Routine core analysis and assessment of the propagation of uncertainty in rock samples in the intra laboratory	Gabryella Carolina da Silva Alves	Cleyton de Carvalho Carneiro	3017
Smart materials for 4D printing	Beatriz Sakamoto Arsuffi	Silvia Lenyra Meirelles Campos Titotto	3007
STUDY OF OIL BIOREMEDIATION IN MARINE WATERS	Isabella Branco Renolphi	Ricardo Cabral de Azevedo	3267
Technology development for integrated data analysis regarding environmental impact assessment	Anna Clara Dottaviano Morelli	Luis Enrique Sanchez	1140

Sala 2

Título do trabalho	Autor	Orientador	Inscrição
Al-Fe TRANSITION JOINT OBTAINED BY ADDITIVE MANUFACTURING	Joao Victor Aprile Tayar Lobo Monetti	Sergio Duarte Brandi	489
Crystallographic texture characterization of ti-6al-4v alloy dental implant manufactured by l-pbf with circumferential scanning strategy	Sofia Fernandes Bizerra Bergamo	Fernando Jose Gomes Landgraf	3902
DED-GMAW additive manufacturing of a 316L stainless steel component	André Luís Hansen Vieira	Sergio Duarte Brandi	1896
DEVELOPMENT OF A LOW NOISE SYSTEM TO MEASURE THE GRAIN ORIENTED ELECTRICAL STEEL MAGNETOSTRICTION	Paula David Padilha	Mateus Botani de Souza Dias	1704
EVALUATION OF MICRO-STRUCTURAL MODIFICATIONS CAUSED BY ACID ACTIVATION IN CLAYS AIMING THE APPLICATION IN THE PHARMACEUTICAL INDUSTRY	Matheus Moussa Pozzatto	Christiano Giansesi Bastos Andrade	1061
influence of heat treatment under tensile stress on the magnetic power losses of non oriented electrical steels	Joao Vitor Basile Fardin	Fernando Jose Gomes Landgraf	2428
INVESTIGATION OF ANNEALING UNDER STRESS EFFECT ON POWER LOSSES IN ELECTRIC STEEL	Fernando Guimaraes Pinto de Araujo	Fernando Jose Gomes Landgraf	1445
ion segregation on the surface of excess magnesium aluminate	Lucas Kazumi Kato Onaga	Douglas Gouvêa	3494
Quantification of lithium at TiO ₂ interfaces and its influence on photocatalytic properties	Giovanna Jaques Caldeira	Douglas Gouvêa	2840
Selective laser melting of Ti-53%Niobium: a texture analysis	Matheus Tavares Vasques	Fernando Jose Gomes Landgraf	1444

Sala 3

Título do trabalho	Autor	Orientador	Inscrição
A study on the defects found in products obtained with traditional forging techniques	Rafael Fernandes von Huelsen	Eduardo Franco de Monlevade	672
Characterization of Tenebrio molitor larvae untreated flour	Carime Carvalho Moyses	Lilian de Cassia Santos Victorino	2854
CHARACTERIZATION OF THE GREEN BANANA (Musa cavendishii) PEEL AND UNPEELED	Gabriela Sobrinho Marcondes	Lilian de Cassia Santos Victorino	3613
Filter face masks produced by additive manufacturing: a qualitative analysis	Thamires Verri Ribeiro	Maria Elizete Kunkel	2378
In-silico characterization of Trans-splicing and Circular RNA from Rett Syndrome Transcriptome data	Davi Cecconi Borges Massa Checan	Bruno Siegel Guerra	2359
Mathematical modeling of the application of phase change materials in carbon dioxide adsorption	Enzo Sampronha	Marcelo Martins Seckler	604
STUDY OF THE ADDITION OF CITRIC ACID IN THE PRE-PROCESSING OF GREEN BANANA FLOUR	Camilla Panagassi Fernandes	Lilian de Cassia Santos Victorino	3612
Study of the Applicability of Bioinspired Composites	Anna Cecília do Nascimento Pereira	Silvia Lenyra Meirelles Campos Titotto	2375
Ultra-property mechanical metamaterial: Past, present and future	Victor Aguiar de Medeiros	Silvia Lenyra Meirelles Campos Titotto	2898

Sala 4

Título do trabalho	Autor	Orientador	Inscrição
Application of porous, hollow and crosslinked microparticles of maleic anhydride-divinylbenzene copolymer for adsorption of emerging pollutants	Lucas Motta Moreira	Reinaldo Giudici	2666
Bio-inspired design of sunscreen packaging with a thermal protection mechanism	Willian de Pádua Oliveira Silva	Silvia Lenyra Meirelles Campos Titotto	3040
Development of methods for conversion of tamoxifen citrate into tamoxifeno base and for analysis of drug solubility in methyl methacrylate and in water	Henrique Alves Naliato	Reinaldo Giudici	144
effect of time and temperature on the synthesis of WO_3 -Ag- $AgCl$ photocatalysts via hydrothermal method	Maria Clara Amaro Caira	Antonio Carlos Silva Costa Teixeira	2828
Kinetic study of CHO-DG44 cells by mathematical modeling from experimental data	Sofia Andrade Florencio	Aldo Tonso	68
PROCESS DEVELOPMENT FOR THE REMOVAL OF POLLUTANTS IN WASTEWATER USING THE UV/PERSULFATE SYSTEM COMBINED WITH SOLAR IRRADIATION	Livia Babetto Ferreira	Antonio Carlos Silva Costa Teixeira	293
Process evaluation for the production of dimethyl ether from direct carbon dioxide hydrogenation	Manuel Fernando Arias Perez	Rita Maria de Brito Alves	4023
process modeling of obtainment of copper sulfate from printed circuit board waste on pilot scale	Magali Felix Clemente	Denise Crocce Romano Espinosa	2744
Thermodynamic modeling of water activity in solutions related to the food industry	Pedro Henrique Callil Soares	Pedro de Alcantara Pessoa Filho	1065

Dia 29 de setembro, das 14h às 16h30.

Engenharias Mecânica, Mecatrônica, Naval e Produção

Sala 5

Título do trabalho	Autor	Orientador	Inscrição
Airfoil optimization using singular value decomposition with structural constraints	Eric Vinicius Lessa	Antonio Luis de Campos Mariani	4005
APPLICATION OF DFA2, DESIGN FOR ASSEMBLY & ARMORING, AS AN ENGINEERING METHODOLOGY IN THE DEVELOPMENT OF CIVILIAN PASSENGER VEHICLES2020	Mateus Alves Medeiros	Paulo Carlos Kaminski	1063
Bio-inspired design of sunscreen packaging with a thermal protection mechanism	Willian de Pádua Oliveira Silva	Silvia Lenyra Meirelles Campos Titotto	3040
Dimensioning of a multiregime reactor to study the chemical looping combustion	Felipe de Lucas Barbosa	Fernando Luiz Sacomano Filho	665
Evaluation of the mechanical engineering course	Gabriel Duarte Souza	Edilson Hiroshi Tamai	3314
MACHINE LEARNING APPLICATIONS IN THE STUDY OF AUTOMOTIVE RECALLS	Bruno Fernandes Maione	Paulo Carlos Kaminski	379
Numerical investigations of pollutant emission in oxy-fuel combustion processes	Luis Eduardo de Albuquerque Paixão e Freire de Carvalho	Fernando Luiz Sacomano Filho	1675
Technical and economic feasibility study of the use of sugarcane mills residues by means of Chemical Looping Combustion.	Beatriz Martins Costa	Fernando Luiz Sacomano Filho	2119
Traffic simulation of autonomous vehicles using the social forces model	Felipe Faez Wahbe Murad	Flavius Portella Ribas Martins	2326

Sala 6

Título do trabalho	Autor	Orientador	Inscrição
An analytical-numerical study on the structural behaviour of a rupture disk for rockets' hybrid engines	Lucas Souza Vieira	Roberto Ramos Junior	525
Application of model verification methods to the classic Euler-Poinsot problem	Cassio Murakami	Flavius Portella Ribas Martins	1419
Application of non-linear dynamic systems analysis methods to the classic double pendulum problem	Isaac Lucarelli Elias	Flavius Portella Ribas Martins	2806
Design, manufacture and experimental tests for validation of a rupture disk for rockets' hybrid engines	Luis Felipe Biancardi Palharini	Roberto Ramos Junior	523
Development of a dynamic model of a floating offshore wind turbine: hydrodynamic aspects and turbine-platform coupling	Andre Xavier Scopel	Bruno Souza Carmo	1648
ERD ANALYSIS ON EEG SIGNALS APPLIED TO COINCIDENT TIMING TASK	Dedimar Dias do Val	Arturo Forner Cordero	899
exergetic analysis applied to tumor growth	Amanda Rocha da Silva	Silvio de Oliveira Junior	2829
Modeling, Simulation and Control of an Intervention-Autonomous Underwater Vehicle	Gabriel Shimada Belem	Decio Crisol Donha	797
Monte Carlo Ray Tracing simulation for a Solar Simulator	Maria Luiza Pazos	José Roberto	619

prototype developed in laboratory	Lorenzo	Simões Moreira	
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Sala 7

Título do trabalho	Autor	Orientador	Inscrição
Application of Autoencoders to Assess Incorrect Positioning of Electrodes in Electrical Impedance Tomography	Lucas Fiori Rodrigues Amorim de Oliveira	Marcos de Sales Guerra Tsuzuki	1937
Demystifying Machine Learning (second year)	Lucas Nunes Sequeira	Fabio Gagliardi Cozman	768
Design of a robotic arm with sensors for feedback control	Daniel Pascotto Costa	Pai Chi Nan	849
Detection of Players and Ball Tracking in Soccer Match Imagens	Lucas Real	Marcos de Sales Guerra Tsuzuki	1113
Development of a WEB based fast-time simulator based on mathematical model of the Numerical Offshore Tank, integrated to the scenario data-base.	Diogo Cavalcante Rodrigues Lopes	Eduardo Aoun Tannuri	1864
method of measurement of environments by image	Felipe Benatti Conte Lopes Lima	Marcos de Sales Guerra Tsuzuki	3320
On the application of Artificial Intelligence in the stability monitoring during exoskeleton gait	Giulia Duo Cardella	Larissa Driemeier	130
Solution of an inverse acoustic problem using the Topology Optimization Method based on the Finite Difference Method	Luiz Henrique Souza Caldas	Emilio Carlos Nelli Silva	1454
Study and design of the driving mechanism of a biomimetic arm	Thales Travaglini Galanti	Pai Chi Nan	1979
Use of AI for Ball Detection in Soccer Matches	Vinicius Rodrigues Garbini de Oliveira	Rogério Yugo Takimoto	1944

Sala 8

Título do trabalho	Autor	Orientador	Inscrição
A study on Artificial Intelligence Strategic Adoption	Marcelo Kentaro Funagoshi	Fernando José Barbin Laurindo	898
Application of optimization algorithms in control system	Patrick Sampaio dos Santos Brandão	Helio Mitio Morishita	3431
Application of reinforcement learning for dynamic positioning	Ariel Lima Dallari Guerreiro	Helio Mitio Morishita	3238
Development of an autonomous sailing vessel	Bernardo Correa Duarte	Helio Mitio Morishita	1489
Embedded electronics for an autonomous sailing vessel	Angelo Bianco Yanagita	Helio Mitio Morishita	1476
Factors related to success and factors related to failure in Startups	Carlos Eduardo Mendes Teixeira dos Santos	Mario Sergio Salerno	329
Information Technology (IT) and Information Governance and Management in IT applications integration context in distributed environment	Gabriel Mazzante Sapienza	Fernando José Barbin Laurindo	1972
Sustainable Development Goals (SDGs): a comparative study between Brazil and other BRICS countries.	Bruno Moura Valle Costa	Marly Monteiro de Carvalho	252
Sustainable Development Goals (SDGs): an investigation on indicators and their relationships	Miriam Ribeiro Alves	Marly Monteiro de Carvalho	1199

Sala 9

Título do trabalho	Autor	Orientador	Inscrição
ASSESSMENT OF STATUS INDICATORS OF PATIENTS AFTER LIVER TRANSPLANTATION BASED ON DATA ANALYSIS OF THE VACCINE SITUATION AND CAPACITY OF FITNESS FOR RECOMMENDING THE HEALTH PROTOCOL	Francisco Moreira da Costa e Telles	Daniel de Oliveira Mota	1962
Big Data and Logistic Regression applied to the Analysis of Loan Requests	Andre Fontanez Bravo	Renato de Oliveira Moraes	1874
Circular economy and social inclusion: codification and analysis of results	Maria Clara Chinen de Oliveira	Roberta de Castro Souza Piao	1823
e-Government, Transparency and Big Data	Luiz Fernando Cavalcante Silva	Renato de Oliveira Moraes	790
Optimization model for the location-routing problem of electric vehicles with battery swap stations	Felipe Machado Urban	Leonardo Junqueira	2684
survey on maturity level of brazilian companies in the industry 4.0 context	Pedro Schuetze Andrade	Daniel de Oliveira Mota	3358
THE MOBILIZATION OF MATHEMATICAL CONCEPTS ON PROFESSIONAL QUOTIDIAN OF PRODUCTION ENGINEERS GRADUATED FROM HIGHER EDUCATION INSTITUTIONS	Laura Cristina Yasuoka Assad	Gabriel Loureiro de Lima	2851
Urban dimensions for Smart Cities pos-pandemia	Luiza Nubile Maynard Lemos	Clovis Armando Alvarenga Netto	2004
Validation of data collection instrument for analysis of success factors in Brazilian Startups	Guilherme Marques Bezerra Maia	Ana Paula Franco Paes Leme Barbosa	1907
Which kind of Design Thinking is right to innovation?	Juliana Sayuri Santos Segawa	Clovis Armando Alvarenga Netto	1453

Dia 30 de setembro, das 9h às 12h.

Engenharias da Computação, Energia e Automação Elétricas, Sistemas Eletrônicos e Telecomunicações

Sala 10

Título do trabalho	Autor	Orientador	Inscrição
A statistical-based approach to identify the runtime operational state and condition of railway track switches	Rafael Yuji Yokowo	João Batista Camargo Júnior	2563
Augmented Democracy: A System for Digital Democracy	Enzo Bustos da Silva	Anna Helena Reali Costa	2677
Comparison of Neural Architecture Search Techniques for Regression of Offshore Oil Platform Motions	Tomaz Maia Suller	Anna Helena Reali Costa	3292
Distributed solution of the supply chain coordination problem using DCOP	Fernanda Namie Takemoto Furukita	Jaime Simão Sichman	256
Estimation of socioeconomic indicators using deep learning with satellite images: case study in vale do ribeira	Iago Fava da Costa	Pedro Luiz Pizzigatti Corrêa	3970
Eye Tracking in Immersive Virtual Reality Environments	Otavio Henrique Monteiro	Romero Tori	952
Floating platform mooring line anomaly detection through natural period estimation	Vitor dos Santos Silva	Anna Helena Reali Costa	3714
Integration of health systems database	Victor Kowalski Martins	Solange Nice Alves de Souza	742
Research project management: case analysis of infovis for public health.	Henrique Mathias Fernandes	Lucia Vilela Leite Filgueiras	2340
TRAINING MACHINE LEARNING CLASSIFIERS FOR GLAUCOMA DIAGNOSIS USING STRUCTURAL AND FUNCTIONAL DATA	Larissa Albuquerque Nogueira	Edson Satoshi Gomi	3960

Sala 11

Título do trabalho	Autor	Orientador	Inscrição
Analysis of the influence of the safety zone on the effectiveness of the road crossing control algorithm for autonomous vehicles	Gabriel Kenji Godoy Shimanuki	Paulo Sergio Cugnasca	3634
Computational tools application in data quality for observational multi-sensor meteorological data on the amazon basin	Thomaz Assaf Pougy	Pedro Luiz Pizzigatti Corrêa	3845
Didactic Experimental Platform Aimed at Teaching Self Commutated Converters: Experiments Proposal	Vinicius Negri Machado	Wilson Komatsu	561
DIGITAL TWIN: THE INTEGRATION OF BIM AND IOT INTO SMART CAMPUS MAUÁ	Felipe André Stabile de Oliveira	Pedro Henrique Cerento de Lyra	2896
Face recognition for authentication and access control	Andre Devay Torres Gomes	Graça Bressan	1847
Face recognition for identification and authorization systems for access control	Gabriel Moraes da Cruz	Graça Bressan	1861
Identification and authentication of people for access control using facial recognition	Juliana Marques da Cruz	Graça Bressan	1850
INFLUENCE OF ENVIRONMENTAL AND AEROSOLS VARIABLES ON SPECIES DISTRIBUTION IN MANAUS, AM	Renato Okabayashi Miyaji	Pedro Luiz Pizzigatti Corrêa	846
Multilevel Modular Cascaded Converters - MMCC	Thiago Mendes	Lourenço Matakas	667

	Rodrigues Lima	Junior	
Predicting socio-economic and environmental indicators with satellite images using deep neural networks: a case study in brazilian territory	Samuel Vieira Ducca	Pedro Luiz Pizzigatti Corrêa	3524

Sala 12

Título do trabalho	Autor	Orientador	Inscrição
Computational modeling of equipment using frequency response measurements	Vitor Akio de Carvalho Morooka	Carlos Eduardo de Moraes Pereira	84
Development of a tool based on histograms of oriented gradient to detect faults on transmission lines	Mariluce Pereira de Jesus	Silvio Giuseppe Di Santo	1986
Development of New Experiences at the Energy Laboratory	Maria Fernanda Marques	Jose Aquiles Baesso Grimoni	1985
Electric vehicles and their impact on the distribution network of southeast brazil	Gabriel Marton Desidera	Carlos Frederico Meschini Almeida	2232
Engineering observatory: national overview of performance indicators	Cesar Tzanno de Queiroz	Jose Roberto Cardoso	3534
Fpga accelerator of minimap2 - dna alignment mapping algorithm	Carolina Teng	Roseli de Deus Lopes	2555
Modeling, sizing and construction of a low cost residential biodigester	Amanda Souza Fernandes	João de Sá Brasil Lima	2791
Real time data acquisition and computation for Electrical Power System Protection	Pedro Alves Munhoz	Eduardo Lorenzetti Pellini	303
Technical impacts of the implementation of distributed generation and storage in electrical distribution networks	Fabio Andrade Zagotto	Carlos Frederico Meschini Almeida	2562
The potential of artificial heliotropism in optimizing the efficiency of solar cells	Thomas Henrique Navarro	Silvia Lenyra Meirelles Campos Titotto	3251

Sala 13

Título do trabalho	Autor	Orientador	Inscrição
A Crying Detector System for the "Forgotten Baby Syndrome"	Julia Miho Ichikawa Pociotti	Marcelo Knorich Zuffo	1207
Design and Construction of Cranial fNIRS modules using 3D Printing and Wireless Technology	Ramon Andrade Sousa Carvalho	Sebastião Gomes dos Santos Filho	998
Development of simulation models to assess urban displacement in a post-pandemic scenario -4-	Jeniffer do Nascimento Sakai	Marcelo Knorich Zuffo	1042
Development of simulation models to assess urban displacement in a post-pandemic scenario -5-	Rodrigo Pina Bluma	Marcelo Knorich Zuffo	1044
MODELING OF MOX GAS SENSORS WITH ELECTRIC CIRCUIT SIMULATOR	Henrique Brito de Melo	Elisabete Galeazzo	3712
otfts for low-cost gas sensors	Jose Diogo da Silva Oliveira	Fernando Josepetti Fonseca	3367
Study of Voice Recognition System Integrated with Arduino UNO for Environments Control in Home Automation	Ellen Laureto Barbosa	Marcel Stefan Wagner	2003
Swarm microeconomy: a payment-reputation system to regulate fairness in an open iot scenario	Guilherme Fernandes Gonçalves Silva	Laisa Caroline Costa de Biase	2401
transfer learning across music and speech signals for emotion recognition	William Liaw	Miguel Arjona Ramirez	2235
Transmission of voice signals and mood recognition to a	Júlia Caires Silva	Celso Setsuo	3717

remote telepresence robot.		Kurashima	
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Sala 14

Título do trabalho	Autor	Orientador	Inscrição
Adaptive Image Super-Resolution for Structural Health Monitoring (SHM)	Lucas Giannella de Oliveira	Cássio Guimarães Lopes	1878
Analisis and Optimization of Pedestrian Flow on Signalized Crossings	Caio Santo Siqueira	Marcelo Knorich Zuffo	1043
Classification of cardiac arrhythmias using convolutional neural networks	Natalia Nagata	Magno Teófilo Madeira da Silva	1832
Construction of a low cost oscilloscope for extra-class activities in the electrical circuit subjects	Felipe Hiroshi Mashiba	Elisabete Galeazzo	2732
CORONAVIRUS AND CARBON NANOTUBE: IMMUNOLOGICAL CORRELATIONS X IMMUNOTHERAPEUTIC POSSIBILITIES	Ana Luiza Moraes Octaviano	João Francisco Justo Filho	991
Health robot	Lucas Domingues Boccia	Leopoldo Rideki Yoshioka	1998
hospital robot: hardware e software	Vanderson da Silva dos Santos	Leopoldo Rideki Yoshioka	3556
MICROFLUID SYSTEM FOR DNA AMPLIFICATION BY "LAMP" FOR APPLICATION IN BIOSENSORS	Leticia Cristina Lucchini	Marcelo Nelson Paez Carreno	1021
Randomized Controlled Clinical Trial for the Depressed Elderly Population from Low-Income Areas of São Paulo, Brazil	Caio Hudson Queiroz de Souza	Marcia Scazufca	4029
Retroreflectivity Analysis of Pavement Marking through Bead Images Semantic Segmentation	Henrique Caballeria Mesquita	Hae Yong Kim	3312

Sala 15

Título do trabalho	Autor	Orientador	Inscrição
Application of Computational Fluid Dynamics in Endotracheal T Tube	Matheus Knysak de Oliveira	Henrique Takachi Moriya	3330
Carbon nanotubes and immunodiagnostic perspectives of acute myeloid leukemia	Saira Fernandes Yamachi	Elidamar Nunes de Carvalho Lima	2682
Computational modeling of human muscle electrical activity	Renan Ikeda Fernandes	Andre Fabio Kohn	145
Configuration and Analysis of Neural Network to classify Mechanical Failures in Generic Rotating Machine	Gabriel Bastos Kronemberger	Claudio Garcia	1969
Construction, modeling and control of a quadruple tank	Gustavo de Mattos Ivo Junqueira	Bruno Augusto Angelico	640
Development of a device for global indirect measurement of the pulse wave velocity (PWV) in the aorta in humans by tonometry of applanation	Michel Trindade de Sousa Brito	Henrique Takachi Moriya	3530
Evaluation of the internal infill in synthetic bone model	Nadia Sayuri Nagai	Elsa Vásquez Alvarez	3999
Regulation of survivin production with carbon nanotubes and sirna for hiv treatment	Eduardo Martins Aguiar	Elidamar Nunes de Carvalho Lima	2887
SEIHR epidemic model applied to the city of São Paulo	Rodrigo Marques Malagutti	Marcio Eisenkraft	1894
Study of mathematically synthesized vectorcardiography parameters	Rodrigo Madruga Tavares	Henrique Takachi Moriya	499
STUDY OF THE APPLICATION OF ALOE VERA FOR THE TREATMENT AND / OR PREVENTION OF MELANOMAS	Guilherme Leao Barros Martins	Elidamar Nunes de Carvalho Lima	1993

TEMPORAL IMMUNOLOGICAL RESPONSE AND THREE-DIMENSIONAL MODELING OF THE CORONAVIRUS BINDING PROTEIN	Luiz Henrique Mesquita Souza	Elidamar Nunes de Carvalho Lima	1973
Tomographic reconstruction using ultrasound: A possible initial conjecture to avoid suboptimal results.	Roberto Costa Ceccato	Sergio Shiguemi Furuie	66

Dia 1º de outubro, das 14h às 16h30.

Engenharias Civil e Ambiental

Sala 16

Título do trabalho	Autor	Orientador	Inscrição
Action plans to reduce urban noise at the source	Lucas Cristofolini Teixeira	Alex Kenya Abiko	190
Application of Artificial Intelligence on the Construction site for Monitoring the use of PPEAuthor(s) Undergraduate	Henrique Sousa Villani	Soraya Arida Katchvartanian	3185
Application of CFD simulations for the calculation external wind pressure coefficients on openings of a buildings in a housing complex in the Distrito Federal	Aline Aksa Correia da Silva	Fernando Akira Kurokawa	1939
Characterization of services 4.0 in construction	Jessica Tamires Silva Brito	Francisco Ferreira Cardoso	2664
Efficiency Energy in Industrial Sheds	Nathalie Kimie Teraoka Cury Calia	Cássia Silveira de Assis	3208
PLANNING AND CONSTRUCTION MANAGEMENT OF LOGISTICS SHEDS USING 4D BIM	Bruna Gabriela Takai Kamei	Paula Katakura	3184
Process improvements for optimizing the public works budget through BIM	Eric Aparecido Reis Silva	Sérgio Leal Ferreira	1837
Urban morphological characterization and analysis of the determinants of walkability in the East Zone of the Metropolitan Region of São Paulo	Christian de Nazareth Teixeira	Karin Regina de Casas Castro Marins	686
Urban morphological characterization and analysis of the determinants of walkability in the West Zone of the Metropolitan Region of São Paulo	Gabriel Maggio de Moraes	Karin Regina de Casas Castro Marins	1557
Validation of Moving Particle Semi-Implicit method for hydrodynamic impact	Lucas Isaac Lima Trindade	Cheng Liang Yee	2662

Sala 17

Título do trabalho	Autor	Orientador	Inscrição
Aeroelastic stability analysis of suspension bridge	Carlos Daniel de Souza Silva	Osvaldo Shiguero Nakao	3350
APPLICATION OF MATHEMATICAL MODELS OF DIFFUSION KINETIKS AND METALS ADSORPTION IN A LATERITIC CLAY - NON-STRUCTURED SOILS	Luiza Zunkeller Alves	Maria Eugenia Gimenez Boscov	2005
APPLICATION OF MATHEMATICAL MODELS OF DIFFUSION KINETIKS AND METALS ADSORPTION IN A LATERITIC CLAY- STRUCTURED SOILS	Victor Madureira Ferrari	Maria Eugenia Gimenez Boscov	2006
BIM APPLIED TO THE PROJECT OF REINFORCED CONCRETE BUILDING STRUCTURES	LARISSA COELHO DE OLIVEIRA	Januario Pellegrino Neto	2834
evaluation of interface strength between geomembranes and different types of materials using the direct shear test	Pedro Amâncio Monteiro Calderaro	José Orlando Avesani Neto	3286
INTERNAL EROSION IN EARTH DAMS: MECHANISMS, CONTROL AND REMEDIATION	Luana Mendes Eboli	José Maria de Camargo Barros	3173
On the development of analytical models for the calculation of the natural frequencies of wind towers assembled over floating systems	Paulo Eduardo Silva Machado	Guilherme Rosa Franzini	3215
physical and mechanical characterization of natural fibers	Matheus Ribeiro Vilela	Leila Cristina Meneghetti Valverdes	3354
Post processing tool for helical finite macroelements	Julia de Oliveira Zanon Harnisch	Rodrigo Provasi Correia	1828
Three-dimensional tool for normal force, shear force, bending moment and twisting moment diagrams calculation	Flavia Moe Hashima	Rodrigo Provasi Correia	1829

Sala 18

Título do trabalho	Autor	Orientador	Inscrição
Biogas production through anaerobic digestion of yard waste diversifying collection conditions	Ana Paula Gasparroni Ferreira	Ronan Cleber Contrera	2700
Conceptual Assessment of the Nautical Dimensions of Paraguay Waterway	Raquel de Almeida Siqueira Santos	Paolo Alfredini	1756
CONCEPTUAL ASSESSMENT OF THE PARAGUAY WATERWAY DIMENSIONS ACCORDING TO PIANC 2019 RECOMMENDATIONS	Gabriel Furlani de Carvalho	Paolo Alfredini	2785
Development of an anaerobic digestion analytical model from the principle of maximum entropy	Antonio Gabriel Leitão da Cunha Xavier da Silveira	Ronan Cleber Contrera	2203
Evaluation of Biogas Production from Different Organic Solid Waste	Caroline Gonçalves Cardoso	Ronan Cleber Contrera	1995
IMPACTS GENERATED BY HYDROELECTRIC POWER PLANTS ON DOWNSTREAM FLOW RELEASE: A CASE STUDY OF THE BELO MONTE HYDROELECTRIC POWER PLANT	DANILO ACQUESTA NUNES	Carlos Alberto de Moya Figueira Netto	2722
land use change and ecosystem services analysis within protected areas in são paulo	Maria Luiza Petroni	Amarilis Lucia Casteli Figueiredo Gallardo	2462
Sustainable drainage measures assessment - case study of the Jacarezinho basin (São Paulo, SP)	Gabriela Nunes Kalleder	Joaquin Ignacio Bonnacarrère Garcia	969
the influence of aluminum sulfate in the anaerobic digestion of sludge from a water treatment plant	Ana Carolina Shida	Ronan Cleber Contrera	2565

Sala 19

Título do trabalho	Autor	Orientador	Inscrição
Bag pav - use of plastic bags in asphalt concrete	Gabriel de Deus dos Santos	Caio Rubens Gonçalves Santos	2876
Characterization of some soils of road subbeds of the State of São Paulo using triaxial tests of repeated load	Leopoldo Baptista Testa Neto	Caio Rubens Gonçalves Santos	3098
Comparison of the quality of gnss systems using processing tools offline and online	Barbara de Mello Jacintho	Edvaldo Simões da Fonseca Junior	2660
Determination of physical and hydraulic characteristics for numerical modelling of railway track - case study on estrada de ferro carajás	Henrique Jose Leal Jereissati Filho	Rosângela dos Santos Motta	3465
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