



Day-1 Thursday, 20th JUNE 2024

05:30-09:30									
ue:30-09:30	Room: left of Audit E	REGISTRATION							
		Opening Ceremony							
09-30-30-00	Opening Ceremony		ISEP President + Conference Ch	airs					
09:30-30:00									
	Room: Audit E	-	One surprise for all!						
		Plenary Lecture	nary Lecture The transition to synchronization of networked systems						
10:00-10:30	Plenary 1	Speaker: Chair:	Stefano Boccaletti						
Room: Audit E Zoom									
		Plenary Lecture	Glimpse of the Infinite – on the A Partial Differential Equations	pproximation of the Dynami	al Behavior for Delay and				
10:30-11:00	Plenary 2	Speaker:	Michael Delinitz						
	Room: Audit E	Chair: Zoom	Barbara Keyfitz						
11:00-11:10	COFFEE-BREAK 1 (Building H, A202)								
POSTER SESSION									
	Invited Lecture 1	Invited Lecture 2	Invited Lecture 3	Invited Lecture 4					
	Room: Sala de Atos	Room: Audit E	Room: H207	Room: H202					
	Identifying fractional order	Measuring and Evaluating BMI	A spatiotemporoal random walk	Within-host models					
	transfer functions from frequency responses	Dependent Drug Dynamic Response in Anesthetised	in Behavioral Epidemiology	unravelling the dynamics of dengue reinfections					
11:30-12:00	Speaker: Dwarte Valéria	Patients Speaker: Clara Jonescu	Sneaker: Alberto D'Onofrio	Sacaker: Maira Aquiar					
	Speaker: Duarte Valério Chair: Manuel Ortigueira	Speaker: Clara Ionescu Chair: Eva Dulf	Speaker: Alberto D'Onofrio Chair: Carla M.A. Pinto	Speaker: Maira Agular Chair: Ganna Rozhnova					
	Zoom	Zoom	Zoom	Zoom					
	SYMP 1	SYMP 10	SYMP 7	SYMP 5	SYMP 12	SYMP 13	SYMP 6	SYMP 11	
	Room: Audit E	Room: H202	Room: H208	Room: I201	Room: H207	Room: H209	outra de reunides	Room: Sala de Atos Chair: M. Zélia Rocha	
	Chair: Clara Ionescu	Chair: Maria Luz Gandarias	Chair: Shumaila David	Chair: Ivan Drasic	Chair: Alberto Pinto	Chair: Emanuel Guaraglia	Chair: M. Filomena Teodoro	Kenier Castilo	
	Zoom	Zoom	Zoom	Zoom	Zoom	Zoom	Zoom	Zoom	
		Mathematical modeling of high grade		Reflection of plane wave from			Operational Efficiency of Larzac	Brauer and Gersgorin	
12:00-12:15	Modelling nonlinear systems for drug administration via	gliomas: Investigating the impact of huncaic events on tumor crowth	Fractional operators, Topos and Grothendieck Schemes: Outline about a	impedance surface in a functionally graded trivilinin	Saving public goods	Some Results for Equilibrium	Operational Efficiency of Larzac Engines using Statistical Methods: An Approach to Risk Analysis and Risk Management SPEAKER: M. Flomena Teodoro	locations of zeros of pertur Chebyshev polynomials	
AC100-12-15	Koopmann Operator SPEAKER: Eva Dulf	dynamics through Lie symmetries SPEAKER: Maria Luz Gandarias Núñez	sheaf approach of the "arrow of time" SPEAKER: Alain Le Mehaute	impedance surface in a functionally graded triclinic thermoelastic solid half-space SPEAKER: Dr. Anand Kumar	Saving public goods SPEAKER: Alberto Pinto	Problems SPEAKER: Yen-Cherng Lin	Risk Management SPEAKER: M. Filomena	second kind by translati SPEAKER: Maria Zélia	
		Núñez		Yadav			Teodoro	Rocha	
								Our sector of the sector	
	A Trust Region Algorithm for Modeling BMI Related Risk in Anesthesia SPEAKER: Amani Rayone	A mathematical model for acute lumritroblastic leckernia development	What is a fractional derivative? - a	Generalized differentiation	The dynamics of vaccination strategies depending on the perceived vaccination- infection morbidity risks SPEAKER: José Martins	Paradoxical non-Gaussian heliovicy in frontinnal Lanlace	Quantifying Symmetry in Periodontal Disease: A Novel Measure for Clinical and	Generalized hypergeomet representation of 2-orthogr polynomial eigenfunctions of third-order differential oper	
12:15-12:30	Anesthesia SPEAKER: Amani Ravene	lymphoblastic leukernia development and a first phase of treatment SPEAKER: Ana Nikol Amer	constructive approach SPEAKER: Manuel D Ortigueira	meets generalized probabilities SPEAKER: Igor Podlubny	perceived vaccination- infection morbidity risks	matter with drift	Measure for Clinical and Epidemiological Applications SPEAKER: José L Pereira	hird-order differential oper SPEAKER: Taresa &	
	Ynineb	SPEAKEN: Ana Nino-Lopez			SPEAKER: José Martins	SPEAKER: Yingjie Liang	SPEAKER: José L Pereira	SPEAKER: Teresa A. Mesquita	
								Quadratic Decomposit	
							Portuguese Service Electricity Continuity Indicators: Quality	of the normalized derivatives of	
12:30-12:45							Continuity Indicators: Quality Service Evaluation SPEAKER: Marina A. P.	the Classical Orthogon	
							Andrade	Polynomials - revisite SPEAKER: Ângela Maco	
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							Assessing the Symmetry of	From basic Fourier t basic Fourier-Bessel	
12:45-13:00							Assessing the Symmetry of Contralateral Periodontal Lesions Using Statistical Methods SPEAKER: José L Pereira	expansions SPEAKER: José Luís	
							SF SAKER: JONE L PERERA	SPEAKER: José Luis Cardoso	
13:00-14:30				LUNCH 1					
		Plenary Lecture	Nonlinear wave propagation in m	Plenary Lecture Nonlinear wave propagation in metamaterials enary 3 Speaker Walter Lardmanara					
14:30-15:00	Plenary 3	Plenary Lecture Speaker:	Walter Lacarbonara	etamaterials					
14:30-15:00		Speaker: Chair:	Nonlinear wave propagation in m Walter Lacarbonara Stefano Bocaletti	etamaterials					
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14:30-15:00		Speaker: Chair: Zoom Plenary Lecture Speaker:	Walter Lacarbonara Stefano Bocaletti Quantifying approximate symmet Adriana Dawes						
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## INTERNATIONAL CONFERENCE Mathematical Analysis and Applications in Science and Engineering

Day-2 Friday, 21st JUNE 2024

09:00-09:30	Room: next to Audit E	REGISTRATION						
		Plenary Lecture	General stochastic differential equation models for population growth and harvesting in random environments: Sustainability, optimization and i					
	Plenary 6	General stochastic differential equation models for population growth and harvesting in random environments: Sustainability, optimization and impact of Allee effects						
09:30-10:00	Fieldly 0	Speaker:	Carlos Braumann					
	Room: Audit E	Chair:	Juan Carlos Cortés					
		Zoom Plenary Lecture	Lecture Estimation of time to a tipping point					
10:00-10:30	Plenary 7	Speaker:	ker: Susanne Ditlevesen					
	Room: Audit E	Chair: Zoom	Ganna Rozhnova					
	Plenary 8	Plenary Lecture		rinciple for analyzing and designing	g fast and flexible decision-r	naking in embodied agents		
10:30-11:00	Fieldly o	Speaker: Chair:	Alessio Franci Ana Paula Dias					
	Room: Audit E	Zoom						
<b>11:00-11:30</b>	SYMP 2	SYMP 14	SYMP 7	BREAK 3 (Building H, A20 SYMP 9	ISYMP 5	SYMP 13		
	Room: Audit E	Room: H202	Room: H207	Room: I201	Room: Sala de Atos	Room: Sala de reuniões		
	Chair: Ganna Rozhnova	Chair: Hermenegildo Oliveira	Chair: Dia Zeidan	Chair: Rafael Villanueva	Chair: Sandra Pinelas	Chair: Emanuel Guariglia Zoom		
	Zoom	Zoom	Zoom	Zoom	Zoom	20011		
11:30-11:45	Mathematical modeling of IL-6 driven T lymphocyte cross-talk in the disease course and treatment of rheumatoid arthritis	Regularity Results for Anisotropic PDEs	Controllability of fractional dynamical systems with (k, ψ)- Hilfer fractional derivative	About the weak attractor for the stochastic 3D-Navier-Stokes system	Thermal nonequilibrium double diffusive convection in a fluid saturated anisotropic porous layer with soret effect	Zero-free regions of \$\bm{zeta^{(\alpha)}(s)}\$		
	artnnus SPEAKER: Zviad Kalichava	SPEAKER: Eurica Henriques	SPEAKER: Javid Ali	SPEAKER: José Valero	SPEAKER: Anas Abdallah Altawalibeh	SPEAKER: Emanuel Guariglia		
11:45-12:00	Population dynamics in the context of	Logarithmic double phase problems	Exact solution of fractional order	Weak mean random attractors for non- local random and stochastic reaction-	Continua of equilibrium states in ensembles with	Multifractals in Dynamical systems (On the Doubly non-monotonic		
11:45-12:00	SPEAKER: Nicolae Herisanu	problems SPEAKER: Rakesh Arora	Chagas virus model SPEAKER: Dia Zeidan	diffusion equations SPEAKER: Ruben Caballero Toro	global coupling SPEAKER: Michael A Zaks	perturbed map) SPEAKER: Ibrahim Alsendid		
12:00-12:15	Optimizing immunotherapies for improved cancer treatment	Existence and global regularity properties for anisotropic parabolic equations with variable	Exact solutions of time-fractional (2+1) Chemotaxis model using Lie	Dynamics of the classical chemostat model with real random kinetics	Linear Statistical Inverse Problems for Hilbert Space Processes in Hilbert Scales	Towards a nonlinear generalization of spectral decomposition		
	SPEAKER: Anne Talkington	growth SPEAKER: Sergey Shmarev	symmetry SPEAKER: B. Bira	SPEAKER: Javier López-de-la-Cruz	SPEAKER: Mihaela Pricop- Jeckstatd	SPEAKER: Jochen Merker		
	Mathematical modeling and				Solving Abel type differential	Strong convergence of inertial		
12:15-12:30	numerical analysis of "Car abandonment" during tsunami evacuation SPEAKER: Sayu Arai	Nonstandard Stummel Spaces and Applications SPEAKER: Alexandre Almeida	Extension of a fractional model identification method for fractional dual-pole plus dead-time models SPEAKER: Juan J. Gude	Application of Random Differential Equations in Compartmental Models for Oral Drug Administration SPEAKER: Cristina L Perez	equations using multilayer perceptron SPEAKER: Tolga Recep Uçar	shrinking projection method for split best proximity point problem and mixed equilibrium problem SPEAKER: Mohd Furkan		
12:30-12:45		CD-FEM solutions of fourth-order nonlinear models for the confinement of fluid flows SPEAKER: Nuno D. Lopes						
12:45-14:30			1	LUNCH 2				
14:30-15:00		Plenary Lecture	A Critical Review of Fractional	Operators With Nonsingular Kerne	ls			
	Plenary 9	Speaker: Chair:	Kai Diethelm Juan Carlos Cortés					
	Room: Audit E	Zoom	Juan Carlos Cortes					
	Plenary 10	Plenary Lecture	Network classification using O	DE-equivalence				
15:00-15:30	rienary to	Speaker: Chair:	Ana Paula Dias Alessio Franci					
	Room: Audit E	Zoom	Included I and The Include	Involted I and				
	Invited Lecture 5	Invited Lecture 6	Invited Lecture 7	Invited Lecture 8				
	Room: H202	Room: Sala de reuniões	Room: H207	Room: Sala de Atos				
	Thermodynamic Insights into Network Dynamics: Statistical Mechanics Perspective	Motion and concentration dynamics of small particles and plankton in fluid flows	Approximating the dynamics of a stochastic PDE model by using colored noise	ТВА				
15:30-16:00	Speaker: Dimitri Volchenkov	Speaker: Lev Ostrovsky	Speaker: Tomás Caraballo	Speaker: Valentina Balas				
	Chair: Juan Carlos Cortés Zoom	Chair: Walter Lacarnobara Zoom	Chair: Rafael Villanueva Zoom	Chair: Dumitru Baleanu Zoom				
16:00-16:30				BREAK 4 (Building H, A20	02)			
	SYMP 2	SYMP 7	SYMP 10	SYMP 9	SYMP 5		SYMP 6	
	Room: Audit E Chair: Marc Jornet	Room: H210 Chair: Tatiana Odzijewicz	Room: H207 Chair: Stephan Anco	Room: H202 Chair: Clara Burgos	Room:1201 Chair: Sandra Pinelas	Room: 208 Chair: Inês Domingues	Room: Sala de Atos Chair: M Filomena Teodoro	
		Zoom	Zoom	Zoom	Zoom	Zoom	Zoom	
16:30-16:45	Mathematical modeling of crime data with stochastic differential equations SPEAKER: Julia Calatayud	New Refinements of Hermite- Hadamard Inequalities for Left and Right Quantum Integrals SPEAKER: Hüseyin Budak	Exact solutions and conservation laws of a one-dimensional PDE model for a blood vessel SPEAKER: Stephen Anco	A probabilistic approach to determine the best chemotherapy strategy to delay breast turnor relapse SPEAKER: Clara Burgos	TBA SPEAKER: Nedjem Eddine Ramdan	Nonlinear Neural Dynamics of Language Processing: A Recurrence Quantification Analysis of EEG in Dyslexia SPEAKER: Ignacio Rodriguez- Rodriguez	Relative risk of COVID-19 contagion in Mozambique SPEAKER: Teresa A. Oliveira	
16:45-17:00	Leveraging Physics-Informed Neural Networks for Immunotherapy Models in Cancer SPEAKER: José A. Rodrigues	Memory-dependent multiobjective variational calculus SPEAKER: Tatiana Odzljewicz	Approximation of fuzzy numbers and fuzzy-valued functions SPEAKER: Maria Isabel Berenguer	Probabilistic analysis of a simply supported beam with random parameters SPEAKER: Elena López Navarro	Mathematical model optimization to address pallet loading issues in the automotive industry SPEAKER: Rita de Cássia	Generation of Virtual Children for testing a Recommendation System for Interventions with Children with Dyslexia SPEAKER: José Ignacio JI Mateo Trujilio	A stochastic analysis of the hepatitis B virus model SPEAKER: Abdallah Alsammani	

17:15-17:30	Convolutional Neural Networks for Automated Classification of Childhood Leukemia Cells: A Machine Learning Method for Differentiating Between Normal and Abnormal Cells in Microscopic Images SPEAKER: Oluwaseun Olumide Okundalaye	Weighted Newton-Type Inequalities via Riemann-Liouville Fractional Integrals SPEAKER: Hüseyin Budak	The effect of migration in predator-prey differeibal systems SPEAKER: Erika Diz-Pita	A PSO-Based Calibration Method to Estimate Random Model Parameters Distribution Dynamics SPEAKER: Carlos Andreu-Vilarrolg	Queue Management Analysis in Single-Server Manufacturing System with Working Breakdowns, Vacations, and Retrial Policy SPEAKER: Shalini Sharma	Performance Evaluation Metrics for Automatic Liver Segmentation on Medical Imaging Scans SPEAKER: Stephanle Batista	Insights into the European Innovation Scoreboard: Intelligent Features Selection with R SPEAKER: Aldina I. Correia
17:30-17:45	Mathematical Modeling of Adaptive Collective Defense: crisis response in social-insect colonies SPEAKER: Yun Kang	A Novel Crossover Dynamics of Monkeypox Disease Mathematical Model Using Fractional Differential Equations Based on the -Caputo Derivative: Numerical Treatments SPEAKER: N.H. Sweilam	An artificial neural network approach for the complex dynamics of a SIVR epident model with saturated incidence rate and treatment SPEAKER: Muhammad Farhan	A Magnus-based integrator for multidimensional parametric semi linear stochastic oscillators SPEAKER: Hugo A de la Cruz	Inverse problem for the pseudoparabolic equation with p-Laplacian and damping term SPEAKER: Aidos Shakir	Disentangling High-Order Cardiorespiratory Interactions in Postural Stress SPEAKER: Hélder A Pinto	Potential impact of a demonstration on COVID- 19 contagion: an application SPEAKER: Conceição D Leal
17:45-18:00	An Optimal Control Problem for a Predator-Prey Model with Strong and Weak Preys SPEAKER: Paulo Jorge Rebelo	Theory of Hermite and Laguerre Bessel function from the umbral point of view SPEAKER: Umme Zainab	Relation between zona pellucida shear stress and different sperm distribution in the context of the contact stress theory SPEAKER: Andjelka N Hedrih		Optimal Control of a Class of Stochastic 3rd Grade Fluids Equations SPEAKER: Raya Nouira		Cotinine : The Impact of Smoking Habits on Periodontal Disease SPEAKER: João Onofre

INTERNATIONAL CONFERENCE Mathematical Analysis and Applications in Science and Engineering

## UNE 20-22, 2024 · ISEP · PORTO, PORTUGAL Day-3

## Saturday, 22nd JUNE 2024

ISEP D

	Invited Lecture 9	Invited Lecture 10	Invited Lecture 11	Invited Lecture 12		
09:30-10:00						
	Room: Sala de reuniões	Room: Audit E	Room: Sala de Atos	Room: H202		
			Mathematical modeling of	Investigating the dynamical		
	Basic Problems in the Theory	Targeted control of COVID-19	viscoelastic auxetic materials	behavior on systems with a		
	of Pseudo-Differential	post-mass vaccination	via fractional calculus	positive maximal Lyapunov		
	Equations		approach	Characteristic Exponent near zero		
	Speaker: Vladimir Vasyliev	Speaker: Ganna Rozhnova	Speaker: Marina Shitikova	Speaker: Jamal-Odysseas Maaita		
	Chair: Helena Reis	Chair: Carla M.A. Pinto	Chair: Ioan-Lucian Popa	Chair: Alessio Franci		
	Zoom	Zoom	Zoom	Zoom		
	SYMP 2	SYMP 7	SYMP 5	SYMP 9	SYMP 14	
	Room: Audit E	Room: Sala de reuniões	Room: H207	Room: H202	Room: Sala de Atos	
	Chair: Urszula Skwara	Chair: Silvério Simões Rosa	Chair: Sandra Pinelas	Chair: Ana Navarro Quiles	Chair: Sergey Shmarev	
	Zoom	Zoom	Zoom	Zoom	Zoom	
10:00-10:15	Two rheological models and two rheological dynamical systems of fractional type SPEAKER: Katica R. Hedrih	On the construction of fractional operators with normalization SPEAKER: Marc Jornet	The smoothness of orbital measures on noncompact symmetric spaces SPEAKER: Sanjiv Kumar Gupta	SGD method for the simultaneous controllability of a parameter-dependent finite dimensional linear model SPEAKER: Ana Navarro Quiles	Energy Efficiency of Machine Learning Frameworks in Cloud Computing: TensorFlow vs. PyTorch SPEAKER: Sergio Ivan Aquino Britez	
10:15-10:30	Understanding the Contagion Effect of the Russia-Ukraine Conflict on Brazilian Diesel Market SPEAKER: Claudio Marcio Cassela Inacio Junior	Modelling optimal control of the piecewise-fractional Ebola model SPEAKER: Silvério Simões Rosa	A second kind formulation for algebraic contrained differential equations: The rare time when reckless differentiation makes things better SPEAKER: Vicente J Gomez Herrera	Uncertainty study in a 0-D SCR Model for NOx Emissions SPEAKER: Marcos Llamazares Lopez	Choosing among different discrete approximations of a continuous random variable SPEAKER: Alessandro Barbiero	
10:30-10:45	Mathematical modelling of vector-borne diseases SPEAKER: Urszula Skwara	A New Class of Fractional Problems of the Calculus of Variations SPEAKER: Om Kalthoum Wanassi	Numerical study of a partial differential equation with nonstandard growth conditions SPEAKER: Willian S. Panni	Modeling social media growth using an extension of the random classical logistic equation SPEAKER: Sorina Madalina Sferle	On the 4-D Nilpotent Feed- forward Network Dynamical Systems SPEAKER: Fahimeh Mokhtari	
10:45-11:00		A Novel Crossover Dynamics of Monkeypox Disease Mathematical Model Using Fractional DiBrential Equations Based on the -Caputo Derivative: Numerical Treatments SPEAKER: Necati Ozdemir	A shear flow problem for compressible micropolar real gas SPEAKER: Ivan Drazic	Application of geometric methods to the calibration of a SIRS model for the RSV in infants SPEAKER: Nikita Kopylov	On a class of \$p\$-Kirchhoff equations with nonlocal logarithmic nonlinearity SPEAKER: Ugur Sert	
11:00-11:30			REAK 5 (Building H, ro			
	SYMP 9	SYMP 8	SYMP 3	SYMP 5	SYMP 7	
	Room: Audit E	Room: I201	Room: H207	Room: Sala de Atos	Room: Sala de reuniões	
	Chair: Clara Burgos Simón	Chair: Jorge Mendonça	Chair: Carlos Rodrigues	Chair: Ioan-Lucian Popa	Chair: Brajesh K Jha	
11:30-11:45	Zoom Probabilistic Analysis of Random Differential Equations with Nonlinearities via the Equivalent Linearization Technique SPEAKER: Joaquin Valencia Sullca	Zoom Computer Algebra System integrated in Computer-assisted assessment with Stack in Fourier Series experience SPEAKER: Jorge Pires Mendonça	Zoom Statistical models, variational methods and engineering problems involved in the control of pharmaceutical pollutants SPEAKER: Irina C. Meghea	The Linear Quadratic Optimal Control Problem for Stochastic Systems Controlled by Impulses SPEAKER: Ioan-Lucian Popa	Zoom New Perspectives on Integral Inequalities by Means of Generalized Fractional Integrals SPEAKER: Hasan Kara	
11:45-12:00	Length-Biased-Weibull Probability Distribution, Characteristics and Application in Wind Energy SPEAKER: Brahim Taoussi	Implementation of Moodle Stack Questions on Numerical Methods Course in an Engineering Degree SPEAKER: António Varejão Sousa	Cross-correlation of lower limb sagittal joint angular kinematics for coordination assessment SPEAKER: Carlos Rodrigues	Regulatory networks with varying interactions SPEAKER: Felix Sadyrbaev	Dissecting fractional order calcium dynamics with Amyloid beta and Orai channel SPEAKER: Brajesh K Jha	

12:00-12:15		Detection of anomalies/outliers in time series SPEAKER: Vitor CM Cardoso	Improving Acute Lymphoblastic Leukemia Relapse Prediction with Machine Learning Biomarkers SPEAKER: Rocio Picón González	Oscillation of second order nonlinear fractional matrix differential equations with forcing term SPEAKER: Sandra Pinelas	New integral inequalities via Hardy-Hilbert and Milne inequalities SPEAKER: Mehmet Sabır Bingöl			
12:15-12:30				Removable singularities of distributional solutions to the steady Navier-Stokes equations SPEAKER: Alfonsina Tartaglione	Qualitative analysis of a fractional-order for a within- host infection dynamics with adaptive immunity using Caputo derivative SPEAKER: Marya Sadki			
12:30:14:00	LUNCH 3							
14:00-14:30	Invited Lecture 13 Title Modeling Hepatitis Virus Infection in the Liver Speaker: Ruy Ribeiro Chair: Ganna Rozhnova Com							
14:30-15:00	Invited Lecture 14     Title     Weak and Not so weak Mean Field Coupling regime. Invariant Measures, Convergence to Equilibrium, Linear Response       Speaker:     Stefano Galatolo       Chair:     Alessio Franci       Zoom     Stefano Galatolo							
15:15-16:30	CLOSING CEREMONY, SPECIAL TRIBUTE TO PROFESSOR TENREIRO MACHADO							
18:00-23:00	Room: Audit Magno Room: A202	Zoom Farewell Port SOCIAL I	Musical moment with TAISER	DINNER				
	Porto Palácio da Bolsa		with live mus	sical moment by Ensemble +	surprises			

NOTE: <u>All times in GMT+1</u> <u>local time</u>



## **POSTER SESSION**

Room: A202

Boosting Math Literacy Through Digital Escape Rooms in HEI AUTHORS: Carla M.A. Pinto, Lurdes Babo, Jorge Mendonça, Deolinda Rasteiro, Cristina Caridade

Integrating Problem-Based Learning in the Math Classroom AUTHORS: Lurdes Babo, Carla M.A. Pinto, Jorge Mendonça

The Impact of School Bands on Children's Happiness and Motivation in Primary School **AUTHORS:** Jorge Mendonça, Carla M.A. Pinto, Lurdes Babo, Mário Pinto

Numerical simulations of compressible micropolar fluid flow between moving parallel plates **AUTHOR:** Nelida Crnjaric

Scoring system for predicting student failure in maths courses AUTHOR: Ivan Drazic