



Day 1, Monday July16, 2012				
0 8 : 0 0 - 0 8 : 3 0	Transportation from Hotels to PPU			
08:30-	Reception and Registration			
0 9 : 0 0 - 1 0 : 0 0 Chair: Wisam Shamroukh	Opening Ceremony - Conference Hall, Abu-Rumman			
1 0 : 0 0 - 1 0 : 4 0 Plenary Talk Chair: Mustafa Abu- Safa	Unconventional Science and Engineering of Gas Shale - Does it Matter for Palestine? Franz-Josef Ulm, Massachusetts Institute of Technology, USA			
1 0 : 4 0 - 1 1 : 0 0	Morning Break			
Parallel Sessions	Mathematics Physics Chair: Edriss Titi Chair: Imad Barghouthi			
1 1 : 0 0 - 1 1 : 3 0	Inverse Problems, Signal Processing and Imaging: Un Menage a Trois Zuhair Nashed, University of Central Florida, USA	Path Integral Approach to Faraday's Law of Induction Sami AL-Jaber, An-Najah National University, Palestine		
1 1 : 3 0 - 1 2 : 0 0	Stochastic Collocation Methods for Uncertainty Quantification on Arbitrary Sparse Samples Rick Archibald, Oak Ridge National Laboratory, USA	Monte-Carlo Simulations of Dipolar Interactions in Random Nanogranular Magnetic Systems Mohammad Elhilo, University of Bahrain, Bahrain		
1 2 : 0 0 - 1 2 : 3 0	Monotone Operator Theory and Applications to Hyperbolic PDE's Mohammad Rammaha, University of Nebraska-Lincoln, USA	Heat Generation in Solids and the Prediction of Thermal Conductivity in Thin Dielectric Films using Heat Conduction Models Mohammad Abu-Samreh, Al-Quds University, Palestine		
12:30 -				





Conference Agenda				
01:40	Lunch Break			
0 1 : 4 0 - 0 2 : 2 0 Plenary Talk Chair: Ahmed Khamayseh	Unstructured Mesh Methods in Lagrangian Biomedical Fluid-Structure Interaction Problems Andrew Kuprat, Pacific Northwest National Laboratory, USA			
Parallel Sessions	Mathematics Physics Chair: Bassam Manasrah Chair: Othman Zalloum			
02:20-02:40	The Story of an Equation-The Balsius Equation Fathi Allan, United Arab Emirates University, UAE	Two-State Operation in Quantum dot Lasers Muayad Abu-Saa, Vrije Universiteit Brussel, Belgium		
0 2 : 4 0 - 0 3 : 0 0	On the Annihilator Graph of a Commutative Ring Ayman Badawi, American University of Sharjah, UAE Thermoelectric Effects in Layer Organic Conductors in Strong Field Raed Hasan, Birzeit University			
0 3 : 0 0 - 0 3 : 2 0	Some Computations on Projective Modules over the ring of Polynomials over Division Rings Iyad Alhribat, Palestine Polytechnic University, Palestine Network Theory Where Microele Meet Mathematics Falah Awwad, United Arab Emira University, UAE			
0 3 : 2 0 - 0 3 : 4 0	Minimum Semi-definite Rank of Graphs Yousra Sharawi, Sultan Qaboos University, Oman A Three-Dimensional Magnetic Force Solution Between Axially Polarized Permanent Magnet Cylinders for Different Magnetic Arrangement Abdel-Karim Daud, Palestine Polytec			
0 3 : 4 0 - 0 4 : 0 0	Afternoon Break			
Parallel Sessions	Statistics Physics Chair: Nureddin Rabie Chair: Ayman Sweiti			
0 4 : 0 0 - 0 4 : 2 0	Fitting General Linear Model for Longitudinal Survey Data Under Unequal Probability of Selection Abdulhakeem Eideh, Al-Quds University, Palestine Fission Barriers from Actinides to Superheavies Hazem Abusara, Palestine Polyteching University, Palestine			
0 4 : 2 0 - 0 4 : 4 0	Informative Bayesian Inference for the Skew Normal Distribution Antonio Canale, University of Turin, Italy Prospects of Testing Modified Newton Dynamics with LISA Pathfinder Martin Feix, Technion, Haifa			





0 4 : 4 0 - 0 5 : 0 0	Fitting Age-Specific Fertility Rates by a Skew-Symmetric Probability Density Function Bruno Scarpa, Università di Padova, Italy	Integral Inversions in the D-dimensional Space Roland Lombard, Institute de Physique Nucléaire, France
0 5 : 0 0 - 0 5 : 2 0	Tests for Random Agreement in Cluster Analysis Monjed Samuh, Palestine Polytechnic University, Palestine	Determination of Quantum Mechanical Resonances by the Optimized Spectral Approach Anna Okopinska, Jan Kochanowski University, Poland
0 5 : 3 0 - 0 8 : 0 0	Hebron (Guests' Tour
0 8 : 0 0 - 1 0 : 0 0	Dinner and	Entertainment





Day 2, TUESDAY, July17, 2012

Day 2, TUESDAY, July17, 2012				
0 8 : 0 0 - 0 8 : 3 0	Transportation from Hotels to PPU			
0 8 : 3 0 - 0 8 : 5 0	Reception and Registration			
0 8 : 5 0 - 0 9 : 3 0 Plenary Talk Chair: Ibrahim Al- Masri	Application of Singularity Theory to Discrete Planar Dynamical Systems Saber Elaydi, Trinity University, USA			
Parallel Sessions	Mathematics Physics Chair: Yousef Zahaykah Chair: Adi Nusser			
0 9 : 3 0 - 1 0 : 0 0	Dynamics of K th Order Rational Difference Equation Mohammad Saleh, Birzeit University, Palestine Density Functional Theory or Lattice: Transport Through a Quantum dot Ulrich Eckern, University of Augsburg, Germany			
1 0 : 0 0 - 1 0 : 3 0	Bosonization for Dual Quasi-Bialgebras and Preantipode Alice Pavarin, University of Padova, Italy PIC Relativistic Code to Simulate Earth's Bow Shock Suleiman Baraka, AL-Aqsa University - Gaza, Palestine (via Skype)			
1 0 : 3 0 - 1 1 : 0 0	The Concept of q-Cycles and Some of its Applications Vichian Laohakosol, Kasetsart University, Thailand Fractional Calculus and their Applications in Physics Sami Muslih, Al-Azhar Uiversity-Gaza, Palestine (via Skype)			
1 1 : 0 0 - 1 1 : 2 0	Morning Break			
Parallel Sessions	Mathematics Physics Chair: Abdulhakeem Eideh Chair: Sami AL-Jaber			
1 1 : 2 0 - 1 1 : 4 0	HYPO4D: A Space-Time Parallelized Solver for Finding Unstable Periodic Orbits in Turbulent Flow Derek Groen, University College London, United Kingdom Optical Measurements of Two-Layer System Considering Chromatic correction Hala El-Khozondar, Islamic University of Gaza, Palestine (via Skype)			
1 1 : 4 0 - 1 2 : 0 0	Modeling and Simulation of a Laser- Induced Cavitation Bubble with Phase Soleil Emittance Reduction using a Robinson Wiggler			





	Transition Ali Zein, Palestine Polytechnic University, Palestine	Hadil Abualrob, University of Paris- Sud, France	
1 2 : 0 0 - 1 2 : 2 0	New Results on the Collatz Conjecture Henrique Oliveira, Technical university of Lisbon, Portugal	Dual Fuel Performance and Engine Noise using Variable LPG Composition Fuel Emad Elnajjar, United Arab Emirates University, UAE	
1 1 : 2 0 - 1 2 : 4 0	A Monte-Carlo Simulation Study of a Folded Kernel-based Goodness-of-Fit Test Elias Dabeet, Arab American University -Jenin, Palestine Effect of Salt on Electric Dou Layer of Spherical Macroion Mirfat Amleh, Al-Quds university Palestine		
1 2 : 4 0 - 0 2 : 0 0	Lunch E	Break	
0 2 : 0 0 - 0 2 : 4 0 Plenary Talk Chair: Amjad Barham	Einstein for Everyone Naresh Dadhich, Inter-University Centre for Astronomy and Astrophysics, India		
Parallel Sessions	Mathematics Chair: Peter Coveney	Mathematics - Gaza Chair: Suleiman Baraka	
0 2 : 4 0 - 0 3 : 0 0	On the Oscillation of Bounded Solutions of Third-Order Nonlinear Delay Differential Equations Taha Abu-Kaff, Al-Quds University, Palestine	Creating Effect Algebras Eissa Habil, Islamic University of Gaza, Palestine (via Skype)	
0 3 : 0 0 - 0 3 : 2 0	Latest Characterization of Periodic Solutions of Periodic Difference Equations Ziyad Al-Sharawi, Sultan Qaboos University, Oman On Nonstandard Topology Ahmed Ghneim, Islamic Uni of Gaza, Palestine (via Skyp		
0 3 : 2 0 - 0 3 : 4 0	An Approach to Obtain Asymptotic Expansions of some Functional Iterates Sukrawan Mavecha, King Mongkut's Institute of Technology Ladkrabang, Thailand On the Influential Points in Error-Variables Model for Directional Da		





comercine Agenda				
0 3 : 4 0 - 0 4 : 0 0	Accelerating Sensitivity Computation using Collocation on Finite Elements in NMPC Jasem Tamimi, Palestine Polytechnic University, Palestine	Reliability of Connected (1,2) or (2,1)- out- of-(m,n): F Linear & Circular Lattice Systems using Markov Chains Imad Nashwan, Al-Quds Open University-Gaza, Palestine (via Skype)		
0 4 : 0 0 - 0 4 : 1 5	Afternoor	n Break		
Parallel Sessions	Mathematics Chair: Mohammad Saleh	Physics Chair: Musa Abu-Teir		
0 4 : 1 5 - 0 4 : 3 0	Norm Attaining Operators Yousef Manasrah, Hebron University, Palestine	Square Waves in Semiconductor Ring Laser Subject to Optical Feedback Lilia Mashal, Vrije Universiteit Brussel, Belgium		
0 4 : 3 0 - 0 4 : 4 5	An Algebraic Approach to Fractional Derivatives Nancy Maraqah, Al-Quds University, Palestine	Modeling of Wind Energy in some Areas of Palestine Husain Alsamamra, Al-Quds university, Palestine		
0 4 : 4 5 - 0 5 : 0 0	Variety of Some Finite Algebra Manal Syaj, Palestine Polytechnic University, Palestine	Dynamics of Human Decisions Abdelrahim Mousa, University of Porto, Portugal		
0 5 : 0 0 - 0 5 : 1 5	Bad Boundary Behavior in the de Branges-Rovnyak Spaces Muath Karaki, University of Lyon 1, France	Indoor Radon Concentration Levels in 33 Schools Situated in Five Districts of the North Eastern of Hebron Province - Palestine Kaleel Thabayneh, Hebron University, Palestine		
0 5 : 1 5 - 0 5 : 3 0	On Subclasses of Multivalent Functions Involving the Komatu Integral Operator Reem Hamdan, Palestine Polytechnic University, Palestine	Record Values from Marshall-Olkin Exponential Distribution Mukhtar Salah, Al-Quds Open University, Palestine		
0 5 : 3 0 - 0 8 : 0 0	Bethlehem Guests' Tour			
0 8 : 3 0 - 1 0 : 0 0	Dinner and Entertainment			





Day 3, WEDNESDAY, July18, 2012				
08:00-	Transportation from Hotels to PPU			
0 8 : 3 0 - 0 8 : 5 0	Reception and Registration			
0 8 : 5 0 - 0 9 : 3 0 Plenary Talk Chair: Saber Elaydi	A Continuous Structured Model for Amphibians: Numerical Approximation and Parameter Estimation Azmy Ackleh, University of Louisiana at Lafayette, USA			
Parallel Sessions	Mathematics Physics Chair: Iyad Suwan Chair: Hazem Abu-Sarah			
0 9 : 3 0 - 1 0 : 0 0	Global Well-Posedness of an Inviscid Three-Dimensional Pseudo-Hasegawa- Mima Model Edriss Titi, University of California - Irvine, USA Ion Outflow at High-Altitude and High-Latitude Region: The effect Wave - Particle Interaction Imad Barghouthi, Al-Quds University, Palestine			
1 0 : 0 0 - 1 0 : 3 0	On the Stability of Evolution Galerkin Schemes Applied to a Multi- Dimensional Wave Equation System Yousef Zahaykah, Al-Quds University, Palestine Tuning Optical, Magnetic and Othe Interesting Properties of Nanoallog for Energy Applications Talat Rahman, University of Centra Florida, USA			
1 0 : 3 0 - 1 1 : 0 0	Towards Quantifying the Impact of Blood Rheology Model on Shear Stress Estimates Throughout the Cardiac Cycle Peter Coveney, University College London, United Kingdom Future Galaxy Surveys and Possible Constraints on the Underlying Theory of Gravity on Large Scales Adi Nusser, Technion, Haifa			
1 1 : 0 0 - 1 1 : 2 0	Morning Break			
Parallel Sessions	Mathematics Physics Chair: Safa Hamed Chair: Mohammad Abu-Samreh			
1 1 : 2 0 - 1 1 : 4 0	Distributed Multiscale Simulations of Layered Nanocomposites Derek Groen, University College London, United Kingdom Effect of Sample Temperature on Photoluminescence (PL) Centers in Er-Doped SiyO1-y (y≥0.32) Thin Films Othman Zalloum, Palestine Polytechnic University, Palestine			





20111010110071901100				
1 1 : 4 0 - 1 2 : 0 0	The Tribonacci p-Numbers and the Tibonacci p-Triangle Kantaphon Kuhapatanakul, Kasetsart University, Thailand	Characterizing Amorphous-Crystal Switching of Ge2Sb2Te5 Phase Change Material Naser Qamhieh, United Arab Emirates University, UAE		
1 2 : 0 0 - 1 2 : 2 0	Non-Hermitian Potenials with Real Eigenvalues by Asymptotic Iteration Method Marwan Elkawni, Al-Quds Open University, Palestine	Electrical Transport in Graphene Layers Hussein Shanak, Palestine Technical University, Palestine		
1 2 : 2 0 - 1 2 : 4 0	Local Huber M-Estimates with Regularization Hani Kabajah, Birzeit University, Palestine	Price Impact and Market Indifference Prices with Power Utilities Nadim Sah, Technische Universität Berlin, Germany		
1 2 : 4 0 - 0 2 : 0 0	Lunch Break			
0 2 : 0 0 - 0 2 : 4 0 Plenary Talk	Review of Optical Left-Handed Waveguide Sensors Mohammed Shabat, Islamic University of Gaza, Palestine (<mark>via Skype</mark>)			
Chair: Ulrich Eckern				
Parallel Sessions	Mathematics Chair: Yousef Manasrah	Physics Chair: Mohammad Elhilo		
Parallel				
Parallel Sessions	Chair: Yousef Manasrah A Unified Continued Fraction Algorithm in a Non-Archimedean Field Jittinart Rattanamoong, Chulalongkorn	Chair: Mohammad Elhilo Detecting Blood Vessels in the Retinal Images Hadi Hamad, Università degli Studi		
Parallel Sessions 0 2 : 4 0 - 0 3 : 0 0	Chair: Yousef Manasrah A Unified Continued Fraction Algorithm in a Non-Archimedean Field Jittinart Rattanamoong, Chulalongkorn University, Thailand Productivity of P-Spaces Yousef Bdeir, Al-Quds university,	Chair: Mohammad Elhilo Detecting Blood Vessels in the Retinal Images Hadi Hamad, Università degli Studi di Palermo, Italy Charge-State Distributions of 0.4-2.0 MeV 4He Ions Backscattered from Kr Gas Target Hanan Sa'adeh, King Abdulaziz		





0 4 : 0 0	Interval-Censored Data Bader Aljawadi, Hebron University, Palestine	Baker Mohammad, Khalifa University of Science Technology, UAE	
0 4 : 0 0 - 0 4 : 1 5	Afternoon Break		
Parallel Sessions	Mathematics Chair: Fathi Allan	Mathematics Chair: Henrique Oliveira	
0 4 : 1 5 - 0 4 : 3 0	A Generalized Synthetic Division Abdelhaleem Zaiqan, Arab American University -Jenin, Palestine	The Number of Periodic Solutions of Some Analytic Equations of Abel- Type Naeem Alkoumi, Birzeit University, Palestine	
0 4 : 3 0 - 0 4 : 4 5	Some Norm Inequalities for Kronecker and Hadamard Products Alaa Saleh, Al-Quds University, Palestine	Conformal Mapping for Paramatric Surfaces Nader Alrjoub, Palestine Polytechnic University, Palestine	
0 4 : 4 5 - 0 5 : 0 0	Special Boundary Integral Equations for Potential Problems in Multi- Dimensional Regions Omar Abuloha, Al-Quds university, Palestine	A Semi-Numerical Analytical Solution of Partial Differential Equations Using Reduced Differential Transformation Method Nizar Hafiz, Arab American University-Jenin, Palestine	
0 5 : 0 0 - 0 5 : 1 5	The Positivity Problem for Fifth-Order Linear Recurrence Sequences is Decidable Pinthira Tangsupphathawat, Srinakharinwirot University, Thailand	An Inverse Problem Arising from Economics Marwan Aloqeili, Birzeit University, Palestine	
0 5 : 1 5 - 0 5 : 3 0	A New Method for Solving a Non- Homogeneous Cauchy-Euler Differential Equation Bilal Karaki, Palestine Polytechnic University, Palestine	Reflection on Information Sciences and Pedagogy Nabeel Al-Qirim, United Arab Emirates University, UAE	
0 5 : 3 0 - 0 6 : 3 0	Business Meeting		
0 6 : 3 0 - 0 8 : 0 0	Selected Local Tour		
0 8 : 0 0 -	Dinner and Recognition Awards		





-	_		_	_
	0		11	11
		_	` '	.,