

Scientific Program:

Day I: Wednesday October 3, 2018

Time	Speaker	Title of the talk
8:30—9:15	Registration & Information	
9:15—9:30	Opening	
9:30—10:30	Keynote Speaker I , Chaired by Prof. F. Rihan	
	Prof. Gennady Bocharov (Moscow)	Delay differential equations for modelling and control of virus infection dynamics
10:30—11:00	Coffee Break	
11:00—13:00	Session I: Dedicated to the Memory of Prof. Christopher T.H. Baker (1939—2017) Chaired by Prof. Ephraim Agyingi	
11:00—11:30	Prof. Hongjiong Tian (China)	Continuous Block for Ordinary and Delay Differential Equations
11:30—12:00	Prof. Ephraim Agyingi (USA)	Delay Differential Equations: a case study in malaria transmission dynamics
12:00—12:30	Prof. Fathalla A. Rihan (UAE)	Qualitative and Quantitative Features of Delay Differential Equations
12:30—14:00	Lunch	
14:00—16:00	Session II: Chaired by Prof. Haydar Akca	
14:00—14:30	Dr. Rajan Rakkiyappan	Stability analysis of multi-valued neural networks with time delays
14:30—15:00	Dr. Md Abdul Malique	Characteristic functions of oscillatory functional differential equations of mixed type
15:00—15:30	Prof. Cemil Tunc	Existence theorems for a class of nonlinear delay-fractional differential equations with operator
15:30—16:00	Prof. Abdelhai El Azzouzi	Stability and numerical simulations for an SIR epidemic model with distributed delay and vaccination
16:00—16:30	Prof. Qamar Khan	Release of Breeding Suppression Advanced Time Delay Predator-Prey Dynamics

Day II: Thursday, October 4, 2018

8:30—9:30	Keynote Speakers II , Chaired by Dr Abdessamad Tridane	
	Prof. Yang Kuang (USA)	Oscillatory dynamics of an intravenous glucose tolerance test model with delay interval
9:30—10:00	Coffee Break	
10:00—12:00	Session III , Chaired by Prof. Cemil Tunc	
10:00—10:25	Hebatallah Alsakaji (PhD Student)	Bifurcation Analysis for Pre Bifurcation Analysis for Prey-Predator Delay Differential Model with Alee Effect γ -Predator Delay Differential Model with Alee Effect
10:25—10:50	Dr. Fatma Al-Musalhi	SIR Model with Time-Varying Contact Rate
10:50—11:15	Dr. B. Sundaravadivoo	Controllability analysis of nonlinear fractional order differential systems with state delay and non-instantaneous impulsive effects
11:15—11:40	Dr. Abdessamad Tridane	Mathematical modeling of intrinsic and extrinsic incubation Period of Zika Virus Infection
11:40—12:05	Dr. Rajjvganthi Chinnathambi	Dynamics of Stochastic Tuberculosis Epidemic Model with Endogenous Reactivation and Exogenous Reinfections
12:00—13:30	Lunch	
13:30—14:30	Keynote Speakers III , Chaired by Prof. Mohamed N. Anwar	
	Prof. Radouane, Yafia (Morocco)	Hopf Bifurcation in Delay Differential Equations and Applications
14:30—15:00	Coffee Break	
15:00—17:30	Session VI , Chaired by Dr. Nasser Al-Salti	
15:00—15:25	Prf. Farrukh Mukhamedov	Partial Delay Differential Equations Associated with Quantum Quadratic Stochastic Processes
15:25—15:50	Dr. SALMA SOUHAILE	Minimum Energy Compensation for Discrete delayed systems with Disturbances
15:50—16:15	Dr. Velmurugan Gandhi	Dynamics of Visceral Leishmaniasis Model with Time Delays
16:15—16:40	Dr. Shima Al-Shanfari	Mathematical Analysis for the Dynamics of an Enteric Disease Model
16:40—17:05	Dr. Maryam Al Maqbali	Prey-Predator Models with Variable carrying capacity
17:05—17:30	Prof. Mohamad Syam	A Reliable Method for First Order Delay Equation Based on Implicit Hybrid Method
17:30—17:45	Closing	

Social Activities:

1. Wednesday, Oct. 3rd, 2018 at 19:00, Common Dinner in Ayla Grand Hotel.
2. Friday, Oct. 5th, 2018, starting at 8:30, Trip to Dubai

To learn more and get Note, visit <https://conferences.uaeu.ac.ae/dde2018/en/>.

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