

Scientific Program:

Day I: Wednesday October 3, 2018 (F1, Room # 0046)		
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. Fathalla 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: Invited Talks, 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 Dr. Rajan Rakkiyappan	
14:00—14:30	Dr. Rajan Rakkiyappan	Stability analysis of multi-valued neural networks with time delays
14:30—15:00	Prof. Cemil Tunc	Existence theorems for a class of nonlinear delay-fractional differential equations with operator
15:00—15:30	Prof. Abdelhai El Azzouzi	Stability and numerical simulations for an SIR epidemic model with distributed delay and vaccination
15:30—16:00	Prof. Qamar Khan	Release of Breeding Suppression Advanced Time Delay Predator-Prey Dynamics
16:00—16:30	Dr. SALMA SOUHAILE	Minimum Energy Compensation for Discrete delayed systems with Disturbances

Day II: Thursday, October 4, 2018 (F1, Room # 0046)		
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—10:20	Hebatallah Alsakaji (PhD Student)	Bifurcation Analysis for Prey-Predator Delay Differential Model with Alee Effect
10:20—10:40	Dr. Fatma Al-Musalhi	SIR Model with Time-Varying Contact Rate
10:40—11:00	Dr. B. Sundaravadivoo	Controllability analysis of nonlinear fractional order differential systems with state delay and non-instantaneous impulsive effects
12:00—11:20	Dr. Abdessamad Tridane	Mathematical modeling of intrinsic and extrinsic incubation Period of Zika Virus Infection
11:20—12:40	Dr. R. Chinnathambi	Dynamics of Stochastic Tuberculosis Epidemic Model with Endogenous Reactivation and Exogenous Reinfections
11:40—12:00	Dr. Humberto Gil Silva	Boundedness of the Riesz potential operator acting in the Morrey space -the critical case
12:00—13:30	Lunch	
13:30—14:30	Keynote Speakers III , Chaired by Prof. Hongjiong Tian	
	Prof. Radouane, Yafia (Morocco)	Hopf Bifurcation in Delay Differential Equations and Applications
14:30—15:00	Coffee Break	
15:00—17:00	Session VI , Chaired by Dr. Nasser Al-Salti	
15:00—15:25	Prof. Farrukh Mukhamedov	Partial Delay Differential Equations Associated with Quantum Quadratic Stochastic Processes
15:25—15:50	Dr. Velmurugan Gandhi	Dynamics of Visceral Leishmaniasis Model with Time Delays
15:50—16:15	Dr. Shima Al-Shanfari	Mathematical Analysis for the Dynamics of an Enteric Disease Model
16:15—16:40	Dr. Maryam Al Maqbali	Prey-Predator Models with Variable carrying capacity
16:40—17:05	Prof. Mohamad Syam	A Reliable Method for First Order Delay Differential Equations Based on Implicit Hybrid Method
17:05—17:20	Closing & Announcement	

Social Activities: **Wednesday**, Oct. 3rd (at 7:00 pm), Common Dinner in Ayla Grand Hotel; **Friday, Oct. 5th**, Trip to Dubai.

To learn more, visit <https://conferences.uaeu.ac.ae/dde2018/en/>, or contact Prof. Fathalla Rihan frihan@uaeu.ac.ae (05066033024)