



Workshop on

Fractional Models in Science & Engineering: Theory & Computation

Monday, December 12, 2016



Prof. Abdul Khaliq
 Mathematics, MTSU,
 USA



Dr. Salim Ibrir
 Electrical Engineering,
 KFUPM



Dr. Abeeb Awotunde
 Petroleum Engineering,
 KFUPM



Prof. Bashir Ahmad
 Mathematics,
 King Abdulaziz University

Program			
Sessions	Time	Speaker	Title
Morning	8:20-8:30	Opening Remarks	
	8:30-9:10	Abdul Khaliq	Multi-dimensional space fractional systems of nonlinear Schrödinger equations: modeling & computation
	9:20-10:00	Salim Ibrir	Adaptive control of fractional-order nonlinear systems in feedforward form
	10:00-10:20	Break	
	10:20-11:00	Abeeb Awotunde	Numerical solutions to the anomalous flow of single-phase fluid In porous media
	11:10-11:50	Bashir Ahmad	On anti-periodic boundary value problems of fractional-order
Lunch Break			
Afternoon	1:10-1:50	Kassem Mustapha	Fractional convection-diffusion equations, numerical solutions
	2:00-2:40	Nabeel Abo-Ghander	Enhancement of styrene production in a coupled membrane fixed bed catalytic reactor
	2:40-3:10	Break	
	3:10-3:50	Nasser-eddin Tatar	Fractional damping: theory and applications
	3:50-4:00	Closing Remarks	



Prof. Kassem Mustapha
 Mathematics, KFUPM



Dr. Nabeel Abo-Ghander
 Chemical Engineering,
 KFUPM



Prof. Nasser-eddin Tatar
 Mathematics, KFUPM

Venue: Bldg 5, Room 103

All are cordially invited
 Students & Faculty / Engineers & Scientists

Workshop Coordinator:
 Prof. Khaled Furati
kmfurati@kfupm.edu.sa
 Abstracts @
faculty.kfupm.edu.sa/math/kmfurati/FMSE16

