

BUAP-UAM-I-UTRGV Joint Functional Analysis Workshop

**School of Mathematical and Statistical Sciences
The University of Texas Rio Grande Valley**

Date: May 1-2, 2019

Location: UTRGV Stem Center (EMAGC 2.412), Edinburg

Organizers:

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Schedule:

May 1st (Wednesday): meeting with participants from Mexico, France and China. One talk will be presented by Professor Chafiq Benhida from France from 10:00-11:00am in UTRGV Stem Center.

May 2nd (Thursday): eight research talks presented in UTRGV Stem Center.

Description:

The School of Mathematical and Statistical Sciences at the University of Texas-Rio Grande Valley is hosting a single day international workshop devoted to functional analysis and dynamical systems, with applications in physics and biology. The Workshop is sponsored by the ConTex Project “Generalizations of Fredholmtheory and commuting n-tuples of operators” and SMSS.

The purpose for this seminar is two-fold: (1) to encourage faculty, students, and visiting scholars to present their recent research results; and (2) to promote communication and collaboration between faculty, students, and the visiting scholars. The workshop will feature a panorama of current research in functional analysis and dynamical systems, with a clear view towards applications in physics and biology.

For further information, please contact Dr. Jasang Yoon at 665-3633 or via email jasang.yoon@utrgv.edu.

Workshop Program: May 1, 2019

Chair of Session I: Dr. Zhaosheng Feng

10:00-11:00am: Dr. Chafiq Benhida (Universite de Lille, France)
Title: Symmetric properties and operator transforms

Workshop Program: May 2, 2019

1. 8:50-9:00am: Dr. Tim Huber (Director of SMSS, UTRGV)–Opening address

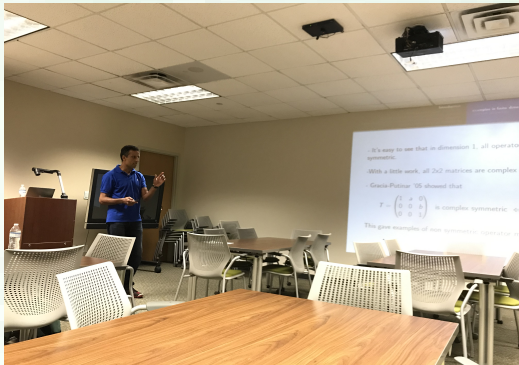
Chair of Session II: Dr. Paul-Hermann Zieschang

2. 9:00-9:30am: Dr. Aura Lucina Kantn Montiel (UNPA, Mexico)
Title: Canonical projections as equivariant G-fibrations
3. 9:30-10:00am: Dr. Francisco Javier Mendoza Torres (BUAP, Mexico)
Title: The convolution theorem over BVO
4. 10:00-10:30am: Dr. Juan Hctor Arredondo Ruiz (UAM-I, Mexico)
Title: Numerical approximation and the range theorem

10:30-10:45am: Coffee Break

Chair of Session III: Dr. Sergey Grigorian

5. 10:45-11:15am: Mrinal Kanti Roychowdhury (SMSS, UTRGV)
Title: Quantization for probability distributions
6. 11:15-11:45am: Vctor Manuel Mndez Salinas (UNPA, Mexico)
Title: Moore-Penrose Fredholm elements in rings with involution
7. 11:45-12:15pm: Dr. Gabriel Kantn Montiel (BUAP, Mexico)
Title: Kato type decompositions
8. 12:15-12:45pm: Dr. Changying Wang (Qingdao University, China)
Title: Lie symmetry of Duffing van der Pol–type oscillator systems



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