



Workshop “Stochastic dependence and related topics“ on the occasion of 70th Birthday of Professor Jerzy Filus

Satellite Workshop to SOCHE 2017
IDEUV & LIT JKU Activity

19th October 2017
University of Valparaíso, Chile

Special Keynote Talk by Jerzy Filus

Invited Speakers (alphabetical order):

Barry C. Arnold & Matthew Arvanitis, UCR, USA
François Bachoc, Toulouse Mathematics Institute and the University Paul Sabatier, France
Moreno Bevilacqua, IDEUV, Universidad de Valparaíso, Chile
Luisa Isabel Rivas Calabrán, Universidad de Concepción, Chile
Lidia Filus, Northeastern Illinois University, USA
Carlos Felipe Henríquez Roldán, IDEUV, Universidad de Valparaíso, Chile
German Ibacache, IDEUV, Universidad de Valparaíso, Chile
Thomas Lichtenegger, Johannes Kepler University in Linz, Austria
Orietta Nicolis, IDEUV, Universidad de Valparaíso, Chile
Marco Riquelme, IDEUV, Universidad de Valparaíso, Chile
Harvey Rosas, IDEUV, Universidad de Valparaíso, Chile
Hamdi Raisi, PUC, Valparaíso, Chile
Pilar Sanchez, IDEUV, Universidad de Valparaíso, Chile

Organizer: Milan Stehlik, IDEUV Chile, IFAS & LIT JKU, Austria

International Advisory Board: Pavlina K. Jordanova, Shumen University, Bulgaria

Local Organizing Committee:

Claudia Navarro, Carlos Felipe Henríquez Roldán, Karen Díaz Arias, Silvia Stehlíková

This event is part of projects LIT-2016-1-SEE-023, FONDECYT Regular N1151441 y WTZ Project BG 09/2017

Venue: Facultad de Ciencias, Universidad de Valparaíso, Gran Bretaña 1111. Valparaíso, Chile

Program:

Sala: Aula Activa Ciencias- Facultad de Ciencias. Av Gran Bretaña 1111, Playa Ancha, Valparaíso-Chile

9.30 Registration

10.00 **Opening:** Claudia Navarro, Director of IDEUV, Universidad de Valparaíso, Chile

10.15 -11.15 **Special Keynote Talk** by Jerzy Filus
"On some stochastic dependence, random vectors and stochastic processes; genesis and development"

11.15-11.30 Coffe Break

11.30- 12.30 Special Session Devoted to work of Jerzy Filus

11.30-11.50 Milan Stehlik & Silvia Stehlikova,
Works and contributions of Jerzy Filus

11.50-12.10 **Special Invited Talk** Lidia Filus, Northeastern Illinois University, Chicago, USA
An alternative to classical regression methodology

12.10-12.30 Barry C. Arnold & Matthew Arvanitis, UCR, USA
On bivariate pseudo-exponential distributions

12.30-14.00 Lunch Break

14.00- 15.20 Modifications of Normal distributions, Gaussian processes and related topics

14.00-14.20 Carlos Felipe Henríquez Roldán, IDEUV, Universidad de Valparaíso, Chile
Checking distribution assumptions under complex surveys

14.20-14.40 François Bachoc, Toulouse Mathematics Institute and the University Paul Sabatier, France
Consistency of stepwise uncertainty reduction strategies for Gaussian Processes

14.40-15.00 Moreno Bevilacqua, IDEUV, Universidad de Valparaíso, Chile
Estimating multivariate skew-Gaussian random fields

15.00-15.20 German Ibacache, IDEUV, Universidad de Valparaíso, Chile
Partially varying-coefficient models under non-normal distributions

15.20-15.40 Hamdi Raisi, PUC, Valparaiso, Chile
Testing normality for unconditionally heteroscedastic macroeconomic variables

15.40-16.00 Coffe Break

16.00- 18.00 Statistical modeling of complex problems

16.00-16.20 Luisa Isabel Rivas Calabrán, Universidad de Concepción, Chile
Inflated Waring Zero Distribution

16.20-16.40 Thomas Lichtenegger, Johannes Kepler University in Linz, Austria
Identification and time-extrapolation of recurring patterns in dynamic gas-solid flows

- 16.40-17.00** Orietta Nicolis, IDEUV, Universidad de Valparaíso, Chile
¿Space-time analysis and forecasting of seismic events in Chile?
- 17.00-17.20** Marco Riquelme, IDEUV, Universidad de Valparaíso, Chile
Robust Linear Functional Mixed Models
- 17.20-17.40** Harvey Rosas, IDEUV, Universidad de Valparaíso, Chile
Text Mining: multi-label classification, abstracts and analysis of feeling
- 17.40-18.00** Pilar Sanchez, IDEUV, Universidad de Valparaíso, Chile
Statistics in Acupuncture

18.00 Closing

19.30 Conference Dinner at Caleta Portales Restaurant

Sponsors:



Más información:

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