



University of Tunis El Manar (Tunisia) Bergische University Wuppertal (Germany)

German –Tunisian Winter School for Master and PhD students in Applied Stochastics

organized by

Prof. Dr. Habib Ouerdiane and Prof. Dr. Barbara Rüdiger

Faculty of Sciences of Tunis - Department of Mathematics

Place : Salle de Séminaire S. 3 and salle Khawarizmi

Lecture 1: Interacting particle systems with applications to infections problems
by **Martin Friesen** (Univ. Wuppertal)

Lecture 2: Affine Diffusion Processes and Applications in Finance

By **Jonas Kremer** (Univ. Wuppertal) and **Chiraz Trabelsi** (Univ. Tunis El Manar)

Program

Monday, October 16, 2017 (S.3)

08:30- 10:30 *Lecture 1*

11:00- 13:00 *Lecture 2*

Tuesday October 17, 2017 (S.3)

08: 30- 10:30 *Lecture 1*

11:00- 13:00 *Lecture 2*

15:00- 17:00 *Lecture 1*

Thursday, October 19, 2017 (S. Khawarizmi)

08: 30- 10: 30 *Lecture 2*

11:00- 13:00 Discussion forum animated by Prof. Dr. Barbara Rüdiger (Univ. Wuppertal) and Prof. Dr. Habib Ouerdiane (Univ. Tunis El Manar) :

"Forming a link in Mathematics for practitioners and for academics. Related problems in education, politics and society, with focus on Europe and Mediterranean countries"

Friday, October 20, 2017 (S.3)

11:30- 13:00 Test (examination) related to Lectures 1 and 2.