Scientific Report for IMU, Commission for Developing Countries

The aim of the CIMPA school **Recent developments in stochastic dynamics and stochastic analysis,** celebrated in Hanoi (Vietnam) in the period March 5th -18th, 2018, has been to provide a stimulating intellectual environment for researchers from Vietnam and neighborhood countries to interact. The school has been primarily oriented towards PhD students and young researchers working in the area of stochastic partial differential equations, stochastic dynamics, stochastic analysis and their applications. To be more precise, the school has had 88 participants, including the 6 lecturers and organizers, with an average number of attendance in lecturers of about 80% (we have to understand that some participants from Hanoi have continued with their daily matters, hence not every day all of them could attend the courses). The 6 lecturers were renowned specialists in their fields and have given different views of stochastic analysis topics, although they have also paid special attention to emphasize the conections between the different topics presented in the school. The six lecturers were Hakima Bessaih (University of Wyoming Laramie, WY, USA), María J. Garrido-Atienza (University of Sevilla, Spain), Annie Millet (Université Paris 6, France), David Nualart (University of Kansas, USA), Björn Schmalfuss (Universität Jena, Germany) and Michael Scheutzow (TU Berlin, Germany).

Concerning the organization facilities, we would like to mention that the CIMPA school and the workshop have taken place in a 3-year old building belonging to the Institute of Mathematics and the Vietnam Academy of Science and Technology. The classroom was full-equipped with beamer projector, microphones, 6 wonderful blackboards that the lecturers used frequently, AC, Internet conection, etc. In addition, there was a seminar room in which active discussions between small groups of participants were carried out. The social events (the city tour on Wednesday March 7th and the banquet on Wednesday March 14th) have also contributed to talks between lecturers and students, knowing each others better, describing the situation of different universities, the main research lines in these universities, the fields of interests of students, etc.

The school has ended with a one-and-a-half-day workshop, where mainly the students of the CIMPA school had the opportunity to present their research topics. In total, there has been 17 talks in this workshop, each of 25 minutes.

In our opinion the school and workshop have been of big success, providing a huge benefit to all participants, starting by the Vietnamese mathematicians but also to those students coming from neighbouring countries (Indonesia, Pakistan, Philippines, Thailand, Tunisia, etc), and, of course, to the lecturers themselves.

The list of all participants is the following one:

1	Bessaih, Hakima	University of Wyoming Department of Mathematics, Laramie, USA
2	Cao, Tan Binh	Quy Nhon University, Quynhon, Vietnam
3	Carmeliza, Cuaresma Diane	University of the Philippines Los Banos, Laguna, Philippines
4	Chu, Thi Mai Hong	Institute of Mathematics, VAST, Hanoi, Vietnam
5	Collera, Juancho	University of the Philippines Baguio, Benguet, Philippines
6	Cung, The Anh	Hanoi National University of Education, Hanoi, Vietnam
7	Dang, Anh Tuan	VNU, Hanoi university of Science, Hanoi, Vietnan
8	Dao, Quang Khai	Institute of Mathematics, VAST, Hanoi, Vietnam
9	Doan, Huy Hien	Vietnam Petroleum Institute, Hanoi, Vietnam
10	Doan, Thai Son	Institute of Mathematics, VAST, Hanoi, Vietnam
11	Erandi, Hasitha	University of Colombo, Colombo, Sri Lanka
12	Garrido-Atienza, Maria J	Departamento de Ecuaciones Diferenciales y Analisis Numerico, Universidad de Sevilla, Sevilla, Spain
13	Helmi, Zaatra	9, Habib Bourguiba street, 6021 Ghannouch/Gabes-Tunisia

14	Ho, Dang Phuc	Institute of Mathematics, VAST, Hanoi, Vietnam
15	Hoang, The Tuan	Institute of Mathematics, VAST, Hanoi, Vietnam
16	Hongler, Max-Olivier	EPFL STI SMT-GE, Lausanne, Switzerland
17	Hussain, Javed	Mathematics And Social Sciences, Sukkur IBA University, Pakistan
18	Inui, Kanji	Graduate School of Human and Environmental studies, Kyoto University, Kyoto, Japan
19	Ito, Yu	Department of Mathematics, Faculty of Science, Kyoto Sangyo University
20	Khong, Chi Nguyen	Tantrao University, Tuyenquang, Vietnam
21	La, Van Thinh	Academy Of Finance, Hanoi, Vietnam
22	Labendia, A. Mhelmar	College of Science and Mathematics Mindanao State Univesity- Iligan Institute of Technology, Iligan, Philippines
23	Le, Huy Vu	Hong Duc University, Thanhhoa, Vietnam
24	Le, Viet Cuong	National University of Civil Engineering, Hanoi, Vietnam
25	Lucquin, Brigitte	Laboratoire Jacques-Louis Lions (LJLL) Université Pierre et Marie Curie - Paris 6 (UPMC), Paris, France
26	Luu, Hoang Duc	Institute of Mathematics, VAST, Hanoi, Vietnam
27	Luu, Hoang Phu	Vietnam Institute for Economic and Policy Research
28	Luu, Vu Cam Hoan	Posts and Telecommunications Institute of Technology, Ho Chi Minh city, Vietnam
29	Mamplata, Jonathan	University of the Philippines, Philippines
30	Millet, Annie	SAMM, Université Paris 1, Paris, France
31	Ngo, Hoang Long	Hanoi National University of Education, Hanoi, Vietnam
32	Ngo, She Min Michelle	Sunway University, Selangor, Malaysia
33	Nguyen, Anh Triet	Ton Duc Thang University, Ho Chi Minh city, Vietnam
34	Nguyen, Anh Tu	Institute of Mathematics, VAST, Hanoi, Vietnam
35	Nguyen, Dinh Cong	Institute of Mathematics, VAST, Hanoi, Vietnam
36	Nguyen, Duc Hieu	Vietnam Institute for Economic and Policy Research
37	Nguyen, Hoang Luc	University of Science Ho Chi Minh City, Ho Chi Minh city, Vietnam
38	Nguyen, Hong Son	Ton Duc Thang University, Cantho, Vietnam
39	Nguyen, Huu Can	Ton Duc Thang University, Cantho, Vietnam
40	Nguyen, Huy Tuan	Ton Duc Thang University, Ho Chi Minh city, Vietnam
4	Nguyen, Huyen Muoi	Institute of Mathematics, VAST, Hanoi, Vietnam

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42	Nguyen, Thai Ngoc	Hanoi University of Science and Technology, Hanoi, Vietnam
43	Nguyen, Thanh Dieu	Vinh University, Nghean, Vietnam
44	Nguyen, Thi Lan Huong	Hanoi National University of Education, Hanoi, Vietnam
45	Nguyen, Thi The	Vinh University, Nghean, Vietnam
46	Nguyen, Thi Thuy Quynh	Academy of Finance, Hanoi, Vietnam
47	Nguyen, Tien Da	Hong Duc University, Thanhhoa, Vietnam
48	Nguyen, Tien Dung	FPT University, Hanoi, Vietnam
49	Nguyen, Van Minh	Foreign Trade University, Hanoi, Vietnam
50	Nguyen, Van Thanh	Foreign Languages Specialized School, Hanoi, Vietnam
51	Nguyen, Viet Duong	Posts and Telecommunications Institute of Technology, Ho Chi Minh city, Vietnam
52	Nualart, David	Department of Mathematics Kansas University, Kansas, USA
53	Parkpoom, Phetpradap	Chiang Mai University, Chiangmai, Thailand
54	Pham, The Anh	Le Quy Don Technical University, Hanoi, Vietnam
55	Pham, Viet Hung	Institute of Mathematics, VAST, Hanoi, Vietnam
56	Phan, Quang Sang	Vietnam National University of Agriculture
57	Phan, Thanh Hong	Thang Long University, Hanoi, Vietnam
58	Phan, Thanh Nam	Quy Nhon University, Quynhon, Vietnam
59	Phan, Thi Huong	Le Quy Don Technical University, Hanoi, Vietnam
60	Rahman, Ghausur	Tahir Abad, Street No 3, Mingora, 19200 KPK Pakistan
61	Quach, Thi Cam Van	UNICE, Switzerland
62	Rim, Nasfi	PDEs Lab, Faculty of Sciences of Tunis, Tunisia
63	Rohmawati, Aniq Atiqi	School of Computing, Telkom University, Java, Indonesia
64	Sato, Yuzuru	Department of Mathematics, Hokkaido University, Hokkaido, Japan
65	Scheutzow, Michael	TU Berlin, Berlin, Germany
66	Schmalfuss, Bjoern	Friedrich-Schiller-Universitaet Jena, Jena, Germany
67	Sera, Toru	Kyoto University Department of Mathematics, Faculty of Science, Kyoto University, Kyoto, Japan

68 69	Shingo, Takeuchi Sumi, Hiroki	IOP, Duy Tan University, Da nang, Vietnam School of Human and Environmental Studies, Kyoto University, Kyoto, Japan
70	Sumritnorrapong, Patcharee	Department of Mathematics and ComputeScience Chulalongkorn University, Bangkok, Thailand
71	Suryawan, Herry Pribawanto	Department of Mathematics Sanata Dharma University, Yogyakarta, Indonesia
72	Ta, Cong Son	VNU, Hanoi University of Science, Hanoi, Vietnam
73	Tran, Bao Ngoc	Nong Lam University, Ho Chi Minh City, Vietnam
74	Tran, Dinh Tuong	Ho Chi Minh University of Transport, Ho Chi Minh city, Vietnam
75	Tran, Hung Thao	Institute of Mathematics, VAST, Hanoi, Vietnam
76	Tran, Manh Cuong	VNU Hanoi University of Science, Hanoi, Vietnam
77	Tran, Ngoc Khue	Pham Van Dong University, Quangngai, Vietnam
78	Tran, Tat Dat	Max Planck Institute for Mathematics in the Sciences, Leibzig, Germany
79	Tran, Thi Thanh Diu	PhD student in the University of Luxembourg
80	Tran, Van Thanh	Institute of Mathematics, VAST, Hanoi, Vietnam
81	Vo, Thi Truc Giang	Tien Giang University, Tiengiang, Vietnam
82	Vo, Van Au	Can Tho University of Technology, Cantho, Vietnam
83	Vu, Thi Huong	University of Transport and Communications, Hanoi, Vietnam
84	Vuong, Thi Thao Binh	Foreign Trade University, Hanoi, Vietnam
85	Vuong, Van Yen	Institute of Mathematic, VAST, Hanoi, Vietnam
86	Watanabe, Takayuki	Department of Mathematics, Osaka University, Japan
87	Zevika, Mona	Jl. Cisitu Lama 18/160A, Bandung, Indonesia
88	Zheng, Guangqu	University of Luxembourg, Esch-sur-Alzette, Luxembourg