

AIMS-VOLKSWAGEN STIFTUNG WORKSHOP ON INTRODUCTION ORTHOGONAL POLYNOMIALS AND APPLICATIONS
Douala, Cameroon, October 5-12, 2018
Final Program

Time slots	Day 1-Preliminary Training Session Friday 05.10.2018	Day 2-Preliminary Training Session Saturday 06.10.2018	Sunday 07.10.2018	Day 1 Workshop Monday 08.10.2018	Day 2 Workshop Tuesday 9.10.2018	Day 3 Workshop Wednesday 10.10.2018	Day 4 Workshop Thursday 11.10.2018	Day 5 Workshop Friday 12.10.2018
08:30 - 09:30	Preliminary Training 1 Foupouagnigni: Introduction to Orthogonal Polynomials: Definition and basic properties	Preliminary Tutorial 8 Tcheutia: Inversion, multiplication and connection formulae for classical continuous orthogonal polynomials	Free	Plenary Talk 1 Van Assche: Orthogonal polynomials and random matrices	Plenary Talk 9 Geronimo: Two variable orthogonal polynomials on the bicircle	08:00-09:00 Plenary Talk 17 Gomez-Ullate: Maya diagrams and rational solutions to Painlevé equations	Plenary Talk 21 Van Assche: Orthogonal polynomials and Painlevé equations	08:00-09:00 Plenary Talk 29 Area: Some systems of multivariate orthogonal polynomials
09:30 - 10:30	Preliminary Tutorial 2 Foupouagnigni: Introduction to Orthogonal Polynomials: Definition and basic properties	Preliminary Training 9 Tcheutia: Properties and applications of the zeros of classical continuous orthogonal polynomials	Free	Plenary Talk 2 Geronimo: Review of the one variable theory for polynomials and matrix polynomials orthogonal on the unit circle	Plenary Talk 10 Van Assche: Multiple orthogonal polynomials	09:00-10:00 Plenary Talk 18 Marcellan: Orthogonal polynomials in Sobolev spaces	Plenary Talk 22 Jordaan: Properties of certain classes of semiclassical orthogonal polynomials	09:00-10:00 Plenary Talk 30 Vinet: Tridiagonalization and Heun operators
10:30 - 11:00	Coffee and Discussion Break					10:00-10:30 Coffee and Discussion Break	Coffee and Discussion Break	10:00-10:30 Coffee and Discussion Break
11:00 - 12:00	Preliminary Training 3 Mboutngam: Classical continuous OP (Part I)	11:00-11:30 Preliminary Tutorial 10 Tcheutia: Properties and applications of the zeros of classical continuous orthogonal polynomials	Free	Plenary Talk 3 Suslov: Orthogonality properties of q-special functions (Part I)	Plenary Talk 11 Suslov: Orthogonality properties of q-special functions (Part II)	10:30-11:30 Plenary Talk 19 Loureiro: A collection of classical three-fold symmetric 2-orthogonal polynomials	Plenary Talk 23 Vinet: Quantum state revivals, graphs and orthogonal polynomials	10:30-11:00 Contributed Talk 31 Kaijser: The positive effects of being ignorant 11:00-12:00 Plenary Talk 32 Foupouagnigni: On difference equations for orthogonal polynomials on special nonuniform lattices

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12:00 - 13:00	Preliminary Tutorial 4 Mboutngam: Classical continuous OP (Part I)	11:30-13:00 Preliminary Training and Tutorial 11 Njionou: Classical orthogonal polynomials of a discrete and a q-discrete variable	Free	Plenary Talk 4 Gomez-Ullate: Exceptional orthogonal polynomials	Plenary Talk 12 Marcellan: Semiclassical orthogonal polynomials	11:30-12:30 Plenary Talk 20 Jordaan: Zeros of orthogonal polynomials	Plenary Talk 24 Chaggara: Some characterization problems related to Sheffer polynomial sets	Plenary Talk 33 Koepf: Orthogonal polynomials and computer algebra
13:00 - 14:30	Lunch and Discussion Break					12:30-13:30 Official opening ceremony	Lunch and Discussion Break	
14:30 - 15:30	Preliminary Training 5 Kenfack: Classical continuous OP (Part II)	Preliminary Training 12 Koepf: Computer algebra, power series and summation	Free	Plenary Talk 5 Bangerezako: The factorization method for discrete orthogonal polynomials of hypergeometric type	Tutorial Session 13 Geronimo: Solutions to the problems and proofs of any theorems or lemmas given in plenary talks 2 and 9	Social Event	Plenary Talk 25 Loureiro: Unique positive solution for an alternative discrete Painlevé-I equation	Departure
- 16:30	Preliminary Tutorial 6 Kenfack: Classical continuous OP (Part II)	Preliminary Tutorial 13 Koepf: Computer algebra, power series and summation	Free	Plenary Talk 6 Hounkonnou: (\mathcal{R}, p, q) -Rogers-Szegő and Hermite polynomials, and induced deformed quantum algebras	Tutorial Session 14 Van Assche: Orthogonal polynomials and random matrices / Multiple orthogonal polynomials		Tutorial Session 26 Gomez-Ullate: Exceptional polynomials and solutions to Painlevé equations	
16:30 - 17:00	Coffee and Discussion Break	Coffee and Discussion Break	Free	Coffee and Discussion Break	Coffee and Discussion Break		Coffee and Discussion Break	
17:00 - 17:30	Preliminary Training 7 Tcheutia: Inversion, multiplication and connection formulae for classical continuous orthogonal polynomials	Preliminary Training 14 Mouafo: On the solutions of holonomic third-order linear irreducible differential equations in terms of hypergeometric functions	Free	Contributed Talk 7 Nyaare: On Orthogonal Polynomials with Respect to Normal Operators	Contributed Talk 15 Arjika: Summation formula for generalized discrete q-Hermite II polynomials		Contributed Talk 27 Ayadi: Classical discrete d-orthogonal polynomials	
17:30 - 18:00			Free	Contributed Talk 8 Musonda: Three systems of orthogonal polynomials and L2-boundedness of two associated operators	Contributed Talk 16 Kelil: On certain properties of a perturbed Freud-type weight	Contributed Talk 28 Ndayiragije: Modified classical orthogonal polynomials satisfying Heun's differential equation		
19:00 - 22:00						Conference Dinner		