

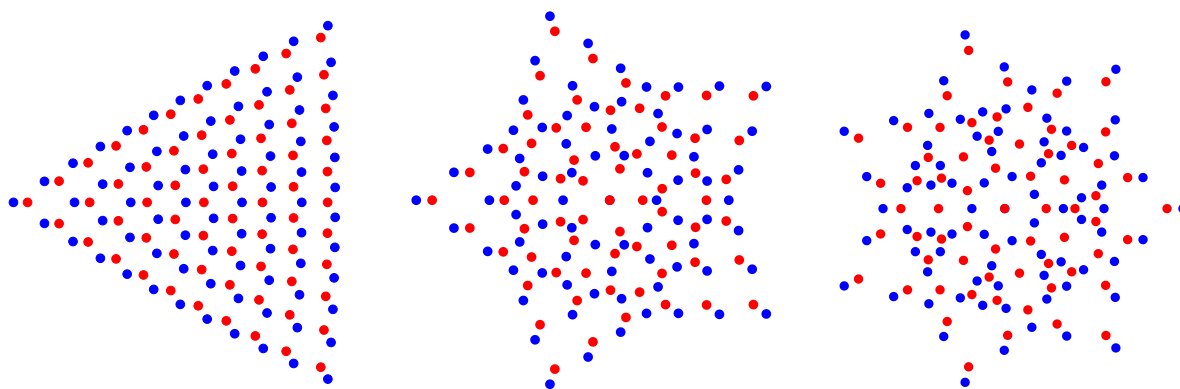
OPSPA14

The 14th International Symposium on
*Orthogonal Polynomials, Special
Functions and Applications*

3rd–7th July 2017

School of Mathematics, Statistics & Actuarial Science
Sibson Building, Parkwood Road, University of Kent
Canterbury, CT2 7FS, UK

Timetable



University of
Kent

Monday 3rd July

08:00–09:30 Registration (Sibson Atrium)

09:30–10:00 Opening of Conference (Sibson LT3)

Peter Clarkson (Chair of OPSFA14 Organising Committee, University of Kent, UK)

Peter Hydon (Head of School of Mathematics, Statistics & Actuarial Science,
University of Kent, UK)

10:00–11:00 **Plenary lecture** (Sibson LT3)

Arieh Iserles (University of Cambridge, UK)

“From Fourier’s sombrero to Chebyshev’s almond: approximation on the real line”

Chair: Elizabeth Mansfield (University of Kent, UK)

11:00–11:30 *Coffee & tea break* (Sibson Atrium)

11:30–12:30 **Plenary lecture** (Sibson LT3)

Margit Rösler (University of Paderborn, Germany)

“Integral representations for multivariable Bessel functions and beta distributions”

Chair: Erik Koelink (Radboud Universiteit Nijmegen, The Netherlands)

12:30–14:00 *Lunch* (Sibson Atrium)

14:00–16:00 **Contributed talks**

Room	Sibson LT3	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Koorwinder</i>	<i>Miller</i>	<i>Iserles</i>	<i>Szmigielski</i>
14:00–14:25	Berriochoa	Baricz	Webb	Chen
14:30–14:55	Botta	Bergeron	Ciaurri	Eckhardt
15:00–15:25	Simanek	Deaño	Dominguez	Shorab Khan
15:30–15:55	Ranga	Pedersen	Świdorski	Hu

16:00–16:30 *Coffee & tea break* (Sibson Atrium)

16:30–18:00 **Contributed talks**

Room	Sibson LT3	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Yakubovich</i>	<i>Pearson</i>	<i>Martínez-Finkelshtein</i>	<i>Chihara</i>
16:30–16:55	Haine	Shirley	Beckermann	Díaz-González
17:00–17:25	Prajapat	Kuan Xu	Tyaglov	Huertas
17:30–17:55	Lima	Slevinsky	Natanson	Molano

18:00–19:00 *Poster Session & Drinks Reception* (Sibson Atrium)

Tuesday 4th July

09:00–10:00 **Plenary lecture** (Sibson LT3)
David Gómez-Ullate (ICMAT and Universidad Complutense de Madrid, Spain)
“Exceptional orthogonal polynomials”
 Chair: Robert Milson (Dalhousie University, Halifax, Canada)

10:00–11:00 **Plenary lecture** (Sibson LT3) — **IMA Lecture**
Peter Miller (University of Michigan, Ann Arbor, USA)
“Rational solutions of Painlevé equations”
 Chair: Bernd Beckermann (Université de Lille, France)

11:00–11:30 *Coffee & tea break* (Sibson Atrium)

11:30–12:30 **Plenary lecture** (Sibson LT3)
Nina Snaith (University of Bristol, UK)
*“Every moment brings a treasure: random matrix theory
 and moments of the Riemann zeta function”*
 Chair: Peter Clarkson (University of Kent, UK)

12:30–14:00 *Lunch* (Sibson Atrium)

14:00–16:00 **Contributed talks**

Room	Sibson LT3	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Snaith</i>	<i>Pedersen</i>	<i>Christiansen</i>	<i>Rösler</i>
14:00–14:25	Yuan Xu	Cohl	Lopez	Huybrechs
14:30–14:55	Yakubovich	Behera	Ferreira	Castro-Smirnova
15:00–15:25	Shadab	Rocha	Pérez-Sinusía	Koelink
15:30–15:55	O’Neill	Barhoumi	Schiefermayr	Mañas

16:00–16:30 *Coffee & tea break* (Sibson Atrium)

16:30–18:00 **Contributed talks**

Room	Sibson LT3	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Gómez-Ullate</i>	<i>Olde Daalhuis</i>	<i>Beckermann</i>	<i>Cortee</i>
16:30–16:55	Milson	Das	Marriaga	Koornwinder
17:00–17:25	Bonneux	Nemes	Berg	Gaboriaud
17:30–17:55	García-Ferrero	Saib	Chihara	Kalmykov

18:15–19:15 **Public lecture** (Sibson LT3)
Andrei Martínez-Finkelshtein (Universidad de Almería, Spain)
“Math is in the eye of the beholder”
 Chair: Peter Hydon (University of Kent, UK)

Wednesday 5th July

- 09:00–10:00 **Plenary lecture** (Sibson LT3)
Marta Mazzocco (Loughborough University, UK)
“Painlevé equations, q -Askey scheme and colliding holes on Riemann surfaces”
Chair: Luc Vinet (Université de Montréal, Canada)
- 10:00–11:00 **Plenary lecture** (Sibson LT3)
Jonathan Breuer (Hebrew University of Jerusalem, Israel)
“To infinity and back (a bit)”
Chair: Ian Wood (University of Kent, UK)
- 11:00–11:30 *Coffee & tea break* (Sibson Atrium)
- 11:30–12:30 **Plenary lecture** (Sibson LT3) — **IoP Lecture**
Jacek Szmigielski (University of Saskatchewan, Saskatoon, Canada)
“Non-smooth waves and Lax integrability; the playground of approximation theory and the theory of distributions”
Chair: Adri Olde Daalhuis (University of Edinburgh, UK)
- 12:30–14:00 *Lunch* (Sibson Atrium)
- 14:00–18:00 **Free afternoon.** Optional tours at 14:30 (depart Sibson building 13:45):
Guided Canterbury Cathedral tour (£15.50)
Guided Canterbury walking tour (£7.00)

Thursday 6th July

09:00–10:00 **Plenary lecture** (Sibson LT3)

Alexander Its (Indiana University-Purdue University, Indianapolis, USA)

“Monodromy dependence and connection formulae for isomonodromic tau functions”

Chair: Andrei Martínez-Finkelshtein (Universidad de Almería, Spain)

10:00–11:00 **Plenary lecture** (Sibson LT3)

Evelyne Hubert (INRIA Méditerranée, Sophia Antipolis, France)

“Computing symmetric cubatures: A moment matrix approach”

Chair: Kerstin Jordaan (University of South Africa, Pretoria, South Africa)

11:00–11:30 *Coffee & tea break* (Sibson Atrium)

11:30–12:30 **Gábor Szegő lecture** (Sibson LT3)

Tom Trogdon (University of California, Irvine, USA)

“The high oscillation of special functions”

Chair: Walter Van Assche (University of Leuven, Belgium)

12:30–14:00 *Lunch* (Sibson Atrium)

14:00–16:00 **Contributed talks**

Room	Sibson LT3	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Deaño</i>	<i>Van Assche</i>	<i>Cohl</i>	<i>Hubert</i>
14:00–14:25	Girotti	Eichinger	Van de Vijver	Stewart-Kelly
14:30–14:55	Simm	Mínguez	Post	Osborn
15:00–15:25	Dai	Guella	Brus	Jordaan
15:30–15:55	Kozhan	Christiansen	Szabłowski	Kenfack Nangho

16:00–16:30 *Coffee & tea break* (Sibson Atrium)

16:30–18:00 **Contributed talks**

Room	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Temme</i>	<i>Trogdon</i>	<i>Kuijlaars</i>
16:30–16:55	Gil	Olver	Juránek
17:00–17:25	Segura	Ali	Buescu
17:30–17:55	Opsomer	Subuhi Khan	Neuschel

18:00–19:00 **SIAM OPSF Activity group meeting** (Sibson LT3)

19:30–22:00 *Conference Dinner* (Darwin College, University of Kent)

Friday 7th July

09:00–10:00 **Plenary lecture** (Sibson LT3)

[Arno Kuijlaars](#) (University of Leuven, Belgium)

“Universality for conditional measures of the sine point process”

Chair: Alfredo Deaño (University of Kent)

10:00–11:00 **Plenary lecture** (Sibson LT3)

[Sylvie Corteel](#) (CNRS et Université Paris Diderot, Paris, France)

“Koornwinder polynomials at $q = t$ ”

Chair: Ana Loureiro (University of Kent)

11:00–11:30 *Coffee & tea break* (Sibson Atrium)

11:30–12:30 **Contributed talks**

Room	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Deaño</i>	<i>Post</i>	<i>Jordaan</i>
11:30–11:55	Verde-Star	Vinet	Anbhu
12:00–12:25	Frasca-Caccia	Terwilliger	Bihun

12:30–14:00 *Lunch* (Sibson Atrium)

14:00–15:00 **Contributed talks**

Room	Sibson LT2	Sibson SR5	Sibson SR6
Chair	<i>Wood</i>	<i>Clarkson</i>	<i>Loureiro</i>
14:00–14:25	Cao	Zaldivar	Alvarez
14:30–14:55	Costas-Santos	Nalci Tumer	Mesquita