

# OPSPA14

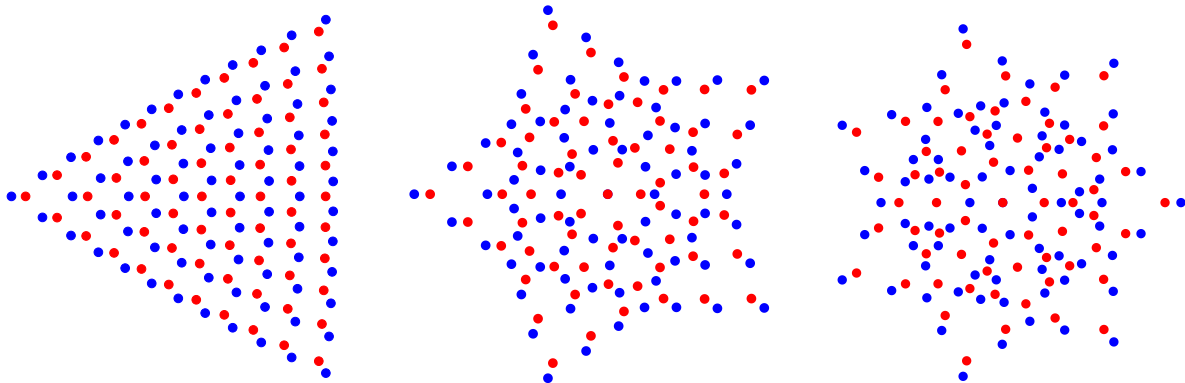
The 14th International Symposium on

## *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**

14:00–14:25	Berriochoa	Baricz	Webb	Chen
14:30–14:55	Botta	Bergeron	Claurri	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**

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 *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)  
**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**

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**

16:30–16:55	Milson	Das	Chihara	Koornwinder
17:00–17:25	Bonneux	Nemes	Berg	Gaboriaud
17:30–17:55	García-Ferrero	Benbourenane	Marriaga	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)  
**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:  
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**

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	Szablowski	Kenfack Nangho

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

16:30–18:00 **Contributed talks**

16:30–16:55	Gil	Olver	Juránek
17:00–17:25	Segura	Ali	Buescu
17:30–17:55	Opsomer	Subuhi Khan	Neuschel

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)

*“Koorwinder 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**

11:30–11:55	Verde-Star	Vinet	Anbhu
12:00–12:25	Frasca-Caccia	Terwilliger	Bihun

12:30–14:00 *Lunch* (Sibson Atrium)

14:00–16:00 **Contributed talks**

14:00–14:25	Cao	Zaldivar	Alvarez
14:30–14:55	Costas-Santos	Nalci Tumer	Mesquita