

# OP - SF NET - Volume 21, Number 5 - September 15, 2014

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The Electronic News Net of the  
SIAM Activity Group on Orthogonal Polynomials and Special Functions  
<http://math.nist.gov/opsf/>

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## Calendar of Events:

### September 18, 2014

Recent advances in Orthogonal Polynomials and its Interactions with Integrable Systems, University of Kent, Canterbury, UK  
<http://www.kent.ac.uk/smsas/events/OrthogonalPolynomials.html>

### October 16-18, 2014

13th Annual Conference (ICSFA 2014) of Society for Special Functions & their Applications (SSFA) Thapar University, Patila, India.  
<http://www.ssfaIndia.webs.com/conf.htm>

### October 18-19, 2014

American Mathematical Society, Eastern Section Meeting, including Special Session on "Special Functions and their Applications" (organized by Mourad Ismail and Nasser Saad), Halifax, Nova Scotia, Canada  
[http://www.ams.org/meetings/sectional/2223\\_program.html](http://www.ams.org/meetings/sectional/2223_program.html)

**October 25-29, 2014**

"International Conference on Orthogonal Polynomials, Integrable Systems and Their Applications" on the occasion of Professor Mourad Ismail's 70th Birthday, Shanghai Jiao Tong University and Shaoxing University

<http://math.sjtu.edu.cn/conference/icopista/index.html>

**December 1-5, 2014**

International Conference on Applied Mathematics in honour of Professor Roderick S. C. Wong's 70th Birthday, City University of Hong Kong

<http://www6.cityu.edu.hk/rcms/icam2014/>

**December 11-20, 2014**

Foundations of Computational Mathematics, Montevideo, Uruguay (including workshops on Approximation Theory and on Special Functions and Orthogonal Polynomials)

[http://www.fing.edu.uy/~jana/www2/focm\\_2014.html](http://www.fing.edu.uy/~jana/www2/focm_2014.html)

**June 1-5, 2015**

13th International Symposium on Orthogonal Polynomials, Special Functions and Applications (OPSFA13), Gaithersburg, Maryland, USA

<http://www.siam.org/meetings/opsfa13/>

**August 10-14, 2015**

ICIAM 2015 (International Congress on Industrial and Applied Mathematics), Beijing, China

<http://www.iciam2015.cn/>

Topic #1 ----- OP-SF NET 21.5 ----- September 15, 2014

From: Walter Van Assche [Walter.VanAssche@wis.kuleuven.be](mailto:Walter.VanAssche@wis.kuleuven.be)

Subject: CALL FOR NOMINATIONS - Gábor Szegő Prize

The Gábor Szegő Prize will be awarded by the SIAM Activity Group on Orthogonal Polynomials and Special Functions (SIAG/OPSF) at the 13th International Symposium on Orthogonal Polynomials, Special Functions, and Applications (OPSFA 2015), to be held June 1-5, 2015, at National Institute of Standards and Technology (NIST), in Gaithersburg, Maryland, USA.

The prize was established in 2010 and will be awarded biennially by SIAG/OPSF to an early-career researcher for outstanding research contributions in the area of orthogonal polynomials and special functions. The contributions must be contained in a paper or papers published in English in peer-reviewed journals. Previous recipients of the Szegő Prize are Tom Claeys (Université Catholique de Louvain, Louvain-la-Neuve, Belgium) and Jacob Stordal Christiansen (Lund University, Sweden). The prize will be awarded to a researcher who has at most 10 years (full time equivalent) of involvement in mathematics since PhD at the

award date, allowing for breaks in continuity, or who, in the opinion of the prize committee, is at an equivalent career stage.

The selection committee consists of Walter Van Assche (KU Leuven, Belgium, chair SIAG OPSF), Jeff Geronimo (Georgia Institute of Technology, vice chair SIAG OPSF), Kerstin Jordaan (University of Pretoria, South Africa), Charles Dunkl (University of Virginia) and Peter Clarkson (University of Kent, UK).

The award will consist of a plaque and a certificate containing the citation. As part of the award, the recipient will be invited to give a plenary lecture at OPSFA 2015. Travel funds will be made available to reimburse the recipient for reasonable travel expenses and local accommodation costs incurred in attending the award ceremony and giving the talk. The recipient's OPSFA conference registration will be waived.

Nominations should be addressed to Professor Walther Van Assche, Chair, Gábor Szegő Prize committee and sent with attachments to [szego\\_prize@siam.org](mailto:szego_prize@siam.org) by November 1, 2014. A valid nomination requires 1.) A letter of nomination signed by two members of the SIAG/OPSF and 2.) the nominee's CV. The letter should indicate 3.) the paper(s) cited for the work being recognized, explain the significance of the work, and (in the case of multiple authors) indicate the contribution of the nominee. Preferably also send a copy of the submission to the chair of the selection committee [<walter.vanassche@wis.kuleuven.be>](mailto:walter.vanassche@wis.kuleuven.be). If you are not a member of SIAM/OPSF and know a suitable candidate for the prize, but have difficulty finding two SIAM/OPSF members willing to sign the nomination, please contact one of the SIAG officers for suggestions about names of members.

## Topic #2 ----- OP-SF NET 21.5 ----- September 15, 2014

From: Tom Koornwinder  
Subject: Luc Vinet Conference Report

This is a report on the conference "Exact Solvability and Symmetry Avatars", held on the occasion of Luc Vinet's 60th birthday, Montréal, Canada, 25-29 August 2014.

During the last week of August, some sixty friends, collaborators, former students and post-docs, and colleagues came together at the Centre de Recherches Mathématiques (CRM) of the Université de Montréal for a late celebration of Luc Vinet's sixtieth birthday (he turned sixty in April 2013). Luc Vinet, by education a theoretical physicist, is well-known in the OPSF community by his many contributions to our field. Of his 162 papers listed in MathSciNet, 75 have primary or secondary MSC number 33. Notably, there are his many papers with Roberto Floreanini in the 90s about interpretations of q-special functions on quantum groups. Of all his papers, the ones that had the most impact are probably the joint papers with Luc Lapointe which settled a weak

form of a conjecture by Macdonald and Stanley about the expansion coefficients of Jack polynomials in terms of symmetrized monomials. Since 2011 there has been a steady flow of papers with Alexei Zhedanov, and more recently also with his PhD student Vincent Genest, about many aspects of the  $q=-1$  Askey scheme (originating from the Bannai-Ito algebras). But apart from special functions, Luc has many other research interests on which he has published: in particular quantum theory and also supersymmetry, integrable systems, combinatorics, quantum information, and many other topics. A constant feature of his publications is that they are in collaboration. One has to go back to the eighties in order to find a singly-authored paper by him.



Luc's professional activities are no less remarkable. His earlier and present directorship of the CRM look almost like minor tasks compared to his positions as Vice-Principal and Provost of McGill University and as rector of Université de Montréal. These years (1998-2010) were called his "dark years" by some of the conference speakers. He was praised for having come back to research after such a long period of administration. But in fact, his productivity had only diminished in his dark years from ten to two papers per year.

The conference, organized by Decio Levi (Rome), Willard Miller (Minneapolis) and Yves Saint-Aubin and Pavel Winternitz (both at CRM), had a format of thirty-minute lectures, many of them invited and some contributed. Both in their diversity of topics and their high quality of presented results they reflected the research personality of Luc Vinet. Topics of lectures ranged from "M-theory solutions, branes, and superalgebras" (by Eric d'Hoker, of string theory fame and early collaborator of Luc's) to "Physics based approaches to quantum

computing" (by Edward Farhi). The speakers on OPSF topics included Erik Koelink, Paul Terwilliger, Luc Lapointe, Alexander Its, Charles Dunkl, Willard Miller, Dennis Stanton, Jan Felipe van Diejen, Francisco Marcellán, Sarah Post, Alexei Zhedanov, Tom Koornwinder, Yves Grandati, Erdal Emsiz, Mourad Ismail and Vincent Genest. Luc Vinet concluded the conference with a short lecture without spoken words, expressing his thanks to speakers and participants on a few slides.

The conference had two social events. On Monday, in the early evening, a string quartet of music students of the Université de Montréal played works of Haydn and Beethoven for Luc and the other participants. On Thursday evening there was the conference dinner in a restaurant in the touristic downtown area between the City Hall and the river. Pavel Winternitz and Yves Saint-Aubin gave impressive after-dinner speeches, certainly not boring. Luc's reply was impressive as well.

Most outside participants stayed at a hotel on Côte-des-Neiges Road (near campus). This is a lively neighbourhood with many shops and restaurants and a public piano on the street. The neighbourhood is dominated by the Oratoire Saint-Joseph, situated on a hill and with one of the largest church domes in the world. There are three parallel stairways leading to the church, the middle one being reserved for pilgrims moving on their knees. On campus, because of the time of year, the new students were undergoing initiation exercises. These involved strange rituals during which they had to yell all the time. The weather was very nice during the whole week.

[The photo of Luc Vinet was taken by Erik Koelink during the 30th International Colloquium on Group Theoretical Methods in Physics, Ghent University, Ghent, Belgium, 14-18 July 2014, where Vinet gave the opening lecture.]

### Topic #3 ----- OP-SF NET 21.5 ----- September 15, 2014

From: OP-SF NET Editors  
Subject: Special Functions at Halifax AMS meeting

There will be a Special Session on Special Functions and their Applications during the American Mathematical Society Fall Eastern Section Meeting to be held at Dalhousie University, Halifax, Canada, October 18-19, 2014. The session is organized by Mourad E. H. Ismail (University of South Florida) and Nasser Saad (University of Prince Edward Island) and will include the following talks:

Nasser Saad, On W. Gordon's integral (1929) and related applications.

Robert Milson, Exceptional Hermite Polynomials

Karl Dilcher\* and Kenneth B. Stolarsky, Zeros and irreducibility of Chebyshev-like polynomials.

Armin Straub\* and Wadim Zudilin. Positivity of rational functions and their diagonals.

Diego Dominici, Mehler-Heine type formulas for Charlier and Meixner polynomials.

Alexey Kuznetsov, On special functions arising in the theory of stochastic processes.

Willard Miller, Jr., Quadratic algebra contractions, 2nd order superintegrable systems and the Askey scheme.

Ash Arsenault, Using supersymmetric quantum mechanics to generate families of solvable potentials.

Vincent X Genest\* and Luc Vinet. The multivariate Hahn polynomials as interbasis expansion coefficients for a superintegrable system.

Vincent Genest, Sarah Post and Luc Vinet\*, q-Rotations and Krawtchouk polynomials.

Syed Twareque Ali, Some families of quaternionic Hermite polynomials.

Information about the meeting can be found at the web site:  
[http://www.ams.org/meetings/sectional/2223\\_program.html](http://www.ams.org/meetings/sectional/2223_program.html)

## Topic #4 ----- OP-SF NET 21.5 ----- September 15, 2014

From: OP-SF NET Editors  
Subject: Memorial article on Herbert Stahl

The news of the death of Herbert Stahl was carried in OP-SF NET 20.4, Topic #2. Recently there appeared the article:

Alexander Aptekarev, Paul Nevai and Vilmos Totik, **In memoriam: Herbert Stahl, August 3, 1942–April 22, 2013**, Journal of Approximation Theory 183 (2014), A1-A26.

It includes information about Stahl's mathematical work and reminiscences by friends (the authors and Laurent Baratchart, Bernhard Beckermann, Hans-Peter Blatt, Diego Dominici, Kathy Driver, Antonio J. Durán, Guillermo López Lagomasino, Doron S. Lubinsky, Francisco (Paco) Marcellán, Andrei Martínez Finkelshtein, John Nuttall, Walter Van Assche, and Franck Wielonsky) as well lists of coauthors and publications.

Topic #5 ----- OP-SF NET 21.5 ----- September 15, 2014

From: OP-SF NET Editors  
Subject: George Andrews awarded Honorary Degree

George Andrews, Evan Pugh Professor of Mathematics at Pennsylvania State University was conferred with the honorary degree of Doctor of Science by the University of Illinois at Urbana-Champaign, during a Commencement Exercise on May 17, 2014.

The citation may be read at the web site:  
<http://www.trustees.uillinois.edu/trustees/agenda/November-14-2013/008-nov-Honorary-Degree-Urbana.pdf>

Topic #6 ----- OP-SF NET 21.5 ----- September 15, 2014

From: OP-SF NET Editors  
Subject: Preprints in arXiv.org

The following preprints related to the fields of orthogonal polynomials and special functions were posted or cross-listed to one of the subcategories of arXiv.org, mostly during July and August 2014.

<http://arxiv.org/abs/1407.2226>  
Recurrence relations of the hypergeometric type functions on the quadratic-type lattices  
Rezan Sevinik Adıgüzel

<http://arxiv.org/abs/1407.2265>  
Monodromy of the generalized hypergeometric equation in the Frobenius basis  
Leslie Molag

<http://arxiv.org/abs/1407.6670>  
Hypergeometric type identities in the  $p$ -adic setting and modular forms  
Jenny G. Fuselier, Dermot McCarthy

<http://arxiv.org/abs/1407.7786>  
Numerical Methods for the Computation of the Confluent and Gauss Hypergeometric Functions  
John W. Pearson, Sheehan Olver, Mason A. Porter

<http://arxiv.org/abs/1407.7800>

Hypergeometric  $\tau$ -functions, Hurwitz numbers and enumeration of paths  
J. Harnad, A. Yu. Orlov

<http://arxiv.org/abs/1407.8052>

On a fundamental system of solutions of a certain hypergeometric equation  
Teruhisa Tsuda

<http://arxiv.org/abs/1408.4698>

Complexity analysis of hypergeometric orthogonal polynomials  
J.S. Dehesa, A. Guerrero, P. Sánchez-Moreno

<http://arxiv.org/abs/1408.5003>

Summation identities and special values of hypergeometric series in the  $p$ -adic setting  
Rupam Barman, Neelam Saikia, Dermot McCarthy

<http://arxiv.org/abs/1408.5268>

The expansion of a finite number of terms of the Gauss hypergeometric function of unit argument and the Landau constants  
R.B. Paris

<http://arxiv.org/abs/1408.5658>

On Some Hypergeometric Summations  
Katsunori Iwasaki

<http://arxiv.org/abs/1407.0792>

The Arcsine law and an asymptotic behavior of orthogonal polynomials  
Hayato Saigo, Hiroki Sako

<http://arxiv.org/abs/1407.2103>

On a class of bi-orthogonal polynomials on the unit circle  
J. Borrego-Morell, F. R. Rafeali

<http://arxiv.org/abs/1407.2644>

Quadrature rules for  $L^1$ -weighted norms of orthogonal polynomials  
Luciano Abadias, Pedro J. Miana, Natalia Romero

<http://arxiv.org/abs/1407.4145>

A New Class of Exceptional Orthogonal Polynomials: The Type III  $X_m$ -Laguerre Polynomials And The Spectral Analysis of Three Types of Exceptional Laguerre Polynomials  
Constanze Liaw, Lance L. Littlejohn, Robert Milson, Jessica Stewart

<http://arxiv.org/abs/1407.5061>

On the leading coefficient of polynomials orthogonal over domains with corners  
Erwin Miña-Díaz



<http://arxiv.org/abs/1407.7569>

Constructing Krall-Hahn orthogonal polynomials  
Antonio J. Durán, Manuel D. de la Iglesia

<http://arxiv.org/abs/1408.5349>

Measures for orthogonal polynomials with unbounded recurrence coefficients  
A. I. Aptekarev, J. S. Geronimo

<http://arxiv.org/abs/1408.5654>

Uniform asymptotics of orthogonal polynomials arising from coherent states  
Dan Dai, Weiyang Hu, Xiang-Sheng Wang

<http://arxiv.org/abs/1408.6140>

Mehler-Heine asymptotics for multiple orthogonal polynomials  
Walter Van Assche

<http://arxiv.org/abs/1408.1829>

Ratio asymptotics for multiple orthogonal polynomials  
Walter Van Assche

<http://arxiv.org/abs/1408.1849>

Orthogonal polynomials in the cumulative Ord family and its application to variance bounds  
Giorgos Afendras, Narayanaswamy Balakrishnan, Nickos Papadatos

<http://arxiv.org/abs/1407.0217>

The Nevanlinna parametrization for  $q$ -Lommel polynomials in the indeterminate case  
F. Štampach, P. Šťovíček

<http://arxiv.org/abs/1407.0636>

Super congruences involving Bernoulli and Euler polynomials  
Zhi-Hong Sun

<http://arxiv.org/abs/1407.2755>

Asymptotics for characteristic polynomials of Wishart type products of complex Gaussian and truncated unitary random matrices  
Thorsten Neuschel, Dries Stivigny

<http://arxiv.org/abs/1407.2880>

Combinatorial Properties of Rogers-Ramanujan-Type Identities Arising from Hall-Littlewood Polynomials  
Claire Frechette, Madeline Locus

<http://arxiv.org/abs/1407.2970>

Survey on counting special types of polynomials  
Joachim von zur Gathen, Konstantin Ziegler

<http://arxiv.org/abs/1407.3233>

Solutions for the Klein-Gordon and Dirac equations on the lattice based on Chebyshev polynomials  
Nelson Faustino

<http://arxiv.org/abs/1407.3379>

Properties of the zeros of the polynomials belonging to the Askey scheme  
Oksana Bihun, Francesco Calogero

<http://arxiv.org/abs/1407.3516>

Chebyshev Polynomials and Statistics on a New Collection of Words in the Catalan Family  
Toufik Mansour, Mark Shattuck

<http://arxiv.org/abs/1407.6973>

Constructing bispectral dual Hahn polynomials  
Antonio J. Duran

<http://arxiv.org/abs/1408.4881>

Polynomials whose reducibility is related to the Goldbach conjecture  
Peter B. Borwein, Stephen K.K. Choi, Greg Martin, Charles L. Samuels

<http://arxiv.org/abs/1408.5292>

$q$ -Rotations and Krawtchouk polynomials I: The one-variable case  
Vincent X. Genest, Sarah Post, Luc Vinet, Guo-Fu Yu, Alexei Zhedanov

<http://arxiv.org/abs/1408.5993>

Okounkov's BC-type interpolation Macdonald polynomials and their  $q=1$  limit  
Tom H. Koornwinder

<http://arxiv.org/abs/1408.0767>

On Rotations as Spin Matrix Polynomials  
T. L. Curtright, T. S. Van Kortryk

<http://arxiv.org/abs/1408.1329>

$q$ -Ehrhart polynomials of Gorenstein polytopes, Bernoulli umbra and related Dirichlet series  
Frédéric Chapoton (ICJ), Driss Essouabri (ICJ)

<http://arxiv.org/abs/1408.1904>

A congruence property of irreducible Laguerre polynomials in two variables  
Nikolai A. Krylov, Zhangyuan Li

<http://arxiv.org/abs/1408.2280>

Branching Formula for Macdonald-Koornwinder Polynomials  
J.F. van Diejen, E. Emsiz

<http://arxiv.org/abs/1408.2807>

Schur superpolynomials: combinatorial definition and Pieri rule  
O. Blondeau-Fournier, P. Mathieu

<http://arxiv.org/abs/1408.2207>

A new operational matrix based on Bernoulli polynomials  
J.A. Rad, S. Kazem, M. Shaban, K. Parand

<http://arxiv.org/abs/1407.3343>

Generalized  $q$ -Stirling numbers and normal ordering  
Roberto B. Corcino, Ken Joffaniel M. Gonzales, Richell O. Celeste

<http://arxiv.org/abs/1408.5652>

Theory of Bessel Functions of High Rank - I: Fundamental Bessel Functions  
Zhi Qi

<http://arxiv.org/abs/1407.0349>

Defining Incomplete Gamma Type Function with Negative Arguments and Polygamma functions  $\psi^{(n)}(-m)$   
Emin Özçağ, İnci Ege

<http://arxiv.org/abs/1408.0674>

The resurgence properties of the Incomplete gamma function I  
Gergő Nemes

<http://arxiv.org/abs/1408.3478>

Some Inequalities for the Ratios of Generalized Digamma Functions  
Kwara Nantomah

<http://arxiv.org/abs/1408.3902>

Two series expansions for the logarithm of the gamma function involving Stirling numbers and containing only rational coefficients for certain arguments related to  $\pi^{-1}$

<http://arxiv.org/abs/1407.7334>

Painlevé III asymptotics of Hankel determinants for a singularly perturbed Laguerre weight  
Shuai-Xia Xu, Dan Dai, Yu-Qiu Zhao

<http://arxiv.org/abs/1408.3778>

Geometric Analysis of Reductions from Schlesinger Transformations to Difference Painlevé Equations  
Anton Dzhamay, Tomoyuki Takenawa

<http://arxiv.org/abs/1408.3779>

Painlevé representation of Tracy-Widom  $\beta$  distribution for  $\beta = 6$   
Igor Rumanov

<http://arxiv.org/abs/1408.4182>

The Szegő kernel on a class of noncompact CR manifolds of high codimension  
Andrew Raich, Michael Tinker

<http://arxiv.org/abs/1407.2467>

A differential version of the Chebyshev-Markov-Stieltjes inequalities  
Shoni Gilboa, Ron Peled

<http://arxiv.org/abs/1407.5567>

A New Effective Asymptotic Formula for the Stieltjes Constants  
Lazhar Fekih-Ahmed (ENIT)

<http://arxiv.org/abs/1408.5794>

Decoupling, exponential sums and the Riemann zeta function  
Jean Bourgain

<http://arxiv.org/abs/1407.2782>

The Stokes phenomenon associated with the periodic zeta function  $\zeta(a,s)$   
R B Paris

<http://arxiv.org/abs/1407.2780>

Rate of Convergence of the Empirical Spectral Distribution Function to the Semi-Circular Law  
F. Götze, A. Tikhomirov

<http://arxiv.org/abs/1407.4216>

A survey on the theory of universality for zeta and  $L$ -functions  
Kohji Matsumoto

## Topic #7 ----- OP-SF NET 21.5 ----- September 15, 2014

From: OP-SF NET Editors

Subject: About the Activity Group

The SIAM Activity Group on Orthogonal Polynomials and Special Functions consists of a broad set of mathematicians, both pure and applied. The Group also includes engineers and scientists, students as well as experts. We have around 115 members scattered about in more than 20 countries. Whatever your specialty might be, we welcome your participation in this classical, and yet modern, topic. Our WWW home page is:

<http://math.nist.gov/opsf/>

This is a convenient point of entry to all the services provided by the Group. Our Webmaster is Bonita Saunders ([bonita.saunders@nist.gov](mailto:bonita.saunders@nist.gov)).

The Activity Group sponsors OP-SF NET, an electronic newsletter, and SIAM-OPSF (OP-SF Talk), a listserv, as a free public service; membership in SIAM is not required. OP-SF NET is transmitted periodically through a post to OP-SF Talk. The OP-SF Net Editors are Diego Dominici ([dominicd@newpaltz.edu](mailto:dominicd@newpaltz.edu)) and Martin Muldoon ([muldoon@yorku.ca](mailto:muldoon@yorku.ca)).

Back issues of OP-SF NET can be obtained at the WWW addresses:

<https://staff.fnwi.uva.nl/t.h.koornwinder/opsfnet/>

<http://math.nist.gov/~DLozier/OPSFnet/>

SIAM-OPSF (OP-SF Talk), which was recently moved to a SIAM server, facilitates communication among members and friends of the Activity Group. To subscribe or to see a link the archive of all messages, go to <http://lists.siam.org/mailman/listinfo/siam-OPSF> and follow the instructions under the sub-heading "Subscribing to SIAM-OPSF". To contribute an item to the discussion, send email to [siam-opsf@siam.org](mailto:siam-opsf@siam.org). The moderators are Bonita Saunders ([bonita.saunders@nist.gov](mailto:bonita.saunders@nist.gov)) and Diego Dominici ([dominicd@newpaltz.edu](mailto:dominicd@newpaltz.edu)).

SIAM has several categories of membership, including low-cost categories for students and residents of developing countries. In addition, there is the possibility of reduced rate membership for the members of several societies with which SIAM has a reciprocity agreement; see

<http://www.siam.org/membership/individual/reciprocal.php>

For current information on SIAM and Activity Group membership, contact:

Society for Industrial and Applied Mathematics  
3600 University City Science Center  
Philadelphia, PA 19104-2688 USA  
phone: +1-215-382-9800  
email: [service@siam.org](mailto:service@siam.org)  
WWW : <http://www.siam.org>  
<http://www.siam.org/membership/outreachmem.htm>

## Topic #8 ----- OP-SF NET 21.5 ----- September 15, 2014

From: OP-SF NET Editors

Subject: Submitting contributions to OP-SF NET and SIAM-OPSF (OP-SF Talk)

To contribute a news item to OP-SF NET, send email to one of the OP-SF Editors [dominicd@newpaltz.edu](mailto:dominicd@newpaltz.edu) or [muldoon@yorku.ca](mailto:muldoon@yorku.ca).

Contributions to OP-SF NET 21.6 should be sent by November 1, 2014.

OP-SF NET is an electronic newsletter of the SIAM Activity Group on Special Functions and Orthogonal Polynomials. We disseminate your contributions on anything of interest to the special functions and orthogonal polynomials community. This includes announcements of conferences, forthcoming books, new software, electronic archives, research questions, and job openings. OP-SF NET is transmitted periodically through a post to SIAM-OPSF (OP-SF Talk).

SIAM-OPSF (OP-SF Talk) is a listserv of the SIAM Activity Group on Special Functions and Orthogonal Polynomials, which facilitates communication among members, and friends of the Activity Group. See the previous Topic. To post an item to the listserv, send email to [siam-opsf@siam.org](mailto:siam-opsf@siam.org).

WWW home page of this Activity Group:

<http://math.nist.gov/opsf/>

Information on joining SIAM and this activity group: [service@siam.org](mailto:service@siam.org)

The elected Officers of the Activity Group (2014-2016) are:

Chair: Walter Van Assche

Vice Chair: Jeff Geronimo

Program Director: Diego Dominici

Secretary: Yuan Xu

The appointed officers are:

Diego Dominici, OP-SF NET co-editor and OP-SF Talk moderator

Martin Muldoon, OP-SF NET co-editor

Bonita Saunders, Webmaster and OP-SF Talk moderator