

# OP - SF NET - Volume 18, Number 2 - March 15, 2011

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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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## Today's Topics

1. Letter from the Chair
2. Ismail and Stanton honoured at q-Series 2011
3. Some questions related to orthogonal polynomials
4. SIAM News
5. Chihara's "Orthogonal Polynomials" republished by Dover
6. Preprints in arXiv.org
7. About the Activity Group
8. Submitting contributions to OP-SF NET and SIAM-OPSF (OP-SF Talk)

## Calendar of Events:

### April 6-8, 2011

Special Functions in the 21<sup>st</sup> Century: Theory and Applications (dedicated to Frank W. J. Olver), Washington, DC, USA 17.6 #3  
<http://math.nist.gov/~DLozier/SF21>

### April 6-8, 2011

Vicious Walkers and Random Matrices, École de Physique des Houches, French Alps, May 16-27, 2011  
<http://www-fourier.ujf-grenoble.fr/~peche/Houches.html>

### May 17-21, 2011

International Symposium in Approximation Theory, Nashville, Tennessee, USA  
<http://www.math.vanderbilt.edu/~Nashville2011/>

### May 30- June 3, 2011

International Conference on Asymptotics and Special Functions, Hong Kong  
<http://www6.cityu.edu.hk/rcms/ICASF2011/index.html>

**June 5-11, 2011**

Computational Complex Analysis and Approximation Theory (CCAAT 2011).  
in honor of Professor Nicolas Papamichael, Protaras, Cyprus  
<http://www.cyprusconferences.org/ccaat/>

**June 17-23, 2011**

"Painlevé equations and related topics", St. Petersburg, Russia  
<http://www.pdmi.ras.ru/EIMI/2011/PC/index.html>

**June 27-29, 2011**

CECAM workshop "Spin Networks in Atomic and Molecular Physics, Quantum Chemistry and Quantum Computing ", Zurich, Switzerland  
<http://www.cecarn.org/workshop-521.html>

**July 3-8, 2011**

ESF Research Conference: Completely Integrable Systems and Applications,  
Vienna, Austria

<http://www.esf.org/activities/esf-conferences/details/2011/confdetail369.html>

**July 3-9, 2011**

22th International Workshop on Operator Theory and Applications,  
Universidad de Sevilla, Seville, Spain.

<http://congreso.us.es/iwota2011/>

**July 4-14, 2011**

Foundations of Computational Mathematics FOCM'11. Budapest, Hungary,  
including minisymposia on "Special Functions and Orthogonal Polynomials",  
"Asymptotic analysis and high oscillation" and "Approximation theory".

17.4 #2

<http://www.damtp.cam.ac.uk/user/na/FoCM11/>

**July 18-22, 2011**

ICIAM 2011 - 7th International Congress on Industrial and Applied  
Mathematics, Vancouver, Canada (including minisymposium on "Painlevé  
equations")

17.6 #6

<http://www.iciam2011.com>

**July 24-29, 2011**

Complex Analysis, Operator and Approximation Theories, Conference  
dedicated to the memory of Franz Peherstorfer, Linz, Austria

<http://www.caota2011.jku.at/>

**July 28-30, 2011**

International Conference on Special Functions & their Applications (ICSFA  
2011), (10th Annual Conference of SSFA), Jodhpur, India

<http://www.ssfaIndia.webs.com/conf.htm>

**August 8-13, 2011**

"Formal and Analytic Solutions of Differential and Difference Equations",  
Bedlewo, Poland  
<http://www.impan.pl/~fasde/>

**August 15-19, 2011**

Special Functions and Orthogonal Polynomials of Lie Groups and  
their Applications, Decin, Czech Republic, 15-19 August, 2011  
<http://www.imath.kiev.ua/~maryna/conf2011.html>

**August 22-26, 2011**

Paul Turán Memorial Conference, Budapest, Hungary  
<http://www.renyi.hu/~turan100/>

**August 22-27, 2011**

8th ISAAC Congress, Moscow, Russian Federation 18.1 #3  
<http://www.isaac2011.org/>

**August 29 – September 2, 2011**

OPPSFA-11: 11-th International Symposium on Orthogonal Polynomials, Special  
Functions and Applications, to celebrate Francisco (Paco) Marcellán´s 60-th  
birthday, Madrid, Spain 17.4 #1  
<http://gama.uc3m.es/opsfa11/>

**September 11-17, 2011**

Fourteenth International Conference on Functional Equations and Inequalities  
(14th ICFEI), Będlewo, Poland  
<http://mat.ap.krakow.pl/icfei/14ICFEI/index.php>

**September 19 - 25, 2011**

9<sup>th</sup> International Conference of Numerical Analysis and Applied Mathematics  
(ICNAAM), Hilkidiki, Greece,  
<http://www.icnaam.org/>

**Topic #1 ----- OP-SF NET 18.2 ----- March 15, 2011**

From: Francisco J. Marcellán [pacomarc@ing.uc3m.es](mailto:pacomarc@ing.uc3m.es)  
Subject: Letter from the Chair

Dear SIAG-OPSF Members

The new board consisting of **Francisco (Paco) Marcellán**, Chair, **Jeff Geronimo**,  
Vice Chair, **Peter Clarkson**, Secretary, and **Diego Dominici**, Program Director,  
started its activity on January 1, 2011 for a new three-year period. Our first activity  
was a conference call with Jim Crowley, SIAM Executive Director, Susan Whitehouse,  
Membership Manager, and Linda Thiel, Director of Programs and Services. Before  
the call, the board members were given information about SIAM activities and our

activity group. A summary of the information is as follows;

1. SIAG/OPSF is the second smallest activity group.
2. The percentage of SIAG/OPSF student members (29%) is lower than for SIAM overall (40%).
3. The percentage of women in SIAG/OPSF (10%) is lower than for SIAM overall (16%).
4. The percentage of SIAG/OPSF members from outside the US (19%) is lower than for SIAM overall (31%).
5. The percentage of members working in academia in SIAG/OPSF (73%) is slightly lower than in SIAM overall (75%).
6. The percentages of SIAG/OPSF members in math sciences (69%) and physics (6%) are higher than for SIAM overall (math science 58%, physics 2%). The percent of SIAG/OPSF members in engineering (11%) and computer science (5%) is lower than for SIAM overall (engineering 16%, computer science 12%).

The board members discussed possible ways of increasing membership by making members aware of:

- a) Reciprocal agreements with other societies (<http://www.siam.org/membership/individual/reciprocal.php>).
- b) Student memberships and postdoctoral memberships which have substantial discounts. (<http://www.siam.org/membership/individual>)
- c) The Gene Golub SIAM summer school (see <http://www.siam.org/students/summer.php> as a reference). The Board will consider making a proposal during this three-year period.
- d) Travel grants to OPSFA meetings (we have received 4 grants for the meeting in Leganes for 550 USD each) and developing closer cooperation between our activity group and people involved in the organization of OPSFA.
- e) Set up a website at SIAM for news about the activity group and related matters. The new website will be at [http://wiki.siam.org/siag-os/index.php/Main\\_Page](http://wiki.siam.org/siag-os/index.php/Main_Page), so be sure to bookmark it for the future when it comes up (hopefully soon!).

We appreciate very much your ideas and cooperation during this exciting period.

## Topic #2 ----- OP-SF NET 18.2 ----- March 15, 2011

From: Martin Muldoon [muldoon@yorku.ca](mailto:muldoon@yorku.ca)  
Subject: Ismail and Stanton honoured at q-Series 2011

An International Conference on **q-Series, Partitions and Special Functions** was held at Georgia Southern University, Statesboro, Georgia, USA during March 14-16, 2011. This conference was the continuation of a series of successful international conferences on Partition Theory, q-Series, Special Functions and their applications. It also honoured Mourad Ismail and Dennis Stanton for their valuable contributions to Number Theory and Special Functions throughout their careers.

Over 50 people attended. As well as the USA, there was representation from Australia, Austria, Canada, France, Germany, Korea, Portugal, South Africa and Sweden.

Speaker after speaker recounted when they had first met Mourad and/or Dennis and the way in which their work was influenced by them. These accounts provided a vivid picture of a large and multiply connected “family” consisted of members with complementary strengths. People like George Andrews and Dick Askey, who led the developments in these research areas over the past four decades and knew the honorees as students were clearly delighted by the continuing vitality of these areas as evidenced by the large number of young people giving talks.



The theme of family was underlined by the gifts presented to Dennis and Mourad, Each of them was given a large chart of his mathematical lineage (from the Mathematics Genealogy Project) as well as a framed display of photos of most of his own doctoral students.

The plenary speakers were George Andrews, Richard Askey, Bruce Berndt, Christian Krattenthaler, Ken Ono, Peter Paule and Doron Zeilberger.

There were many tributes to Andrew Sills and the other organizers for handling the arrangements in a smooth and efficient way.

Further information is available at the conference web site:

[http://math.georgiasouthern.edu/~hwang/index\\_files/q\\_web/index.htm](http://math.georgiasouthern.edu/~hwang/index_files/q_web/index.htm)

### **Topic #3 ----- OP-SF NET 18.2 ----- March 15, 2011**

From: Alex Ignjatovic [ignjat@cse.unsw.edu.au](mailto:ignjat@cse.unsw.edu.au)

Subject: Some questions related to orthogonal polynomials

[This item was circulated to OP-SF NET on February 17. Because it links to a connected account of a number of problems likely to be of interest to several readers, we are taking the liberty of adding it here. Eds.]

I would be very grateful to hear where I could find solutions to any of the following questions related to orthogonal polynomials (or, if they are open, any ideas how to tackle these problems or even if they "feel" likely to be true or not):

<http://www.cse.unsw.edu.au/~ignjat/diff/CDQestions.pdf>

### **Topic #4 ----- OP-SF NET 18.2 ----- March 15, 2011**

From: Peter Clarkson [P.A.Clarkson@kent.ac.uk](mailto:P.A.Clarkson@kent.ac.uk)

Subject: SIAM News

SIAM produces a regular newsletter which is distributed to members and also available online (regardless of whether you're a member of SIAM or not), see

<http://www.siam.org/news/>

The Board of our SIAG wants to enhance the visibility of the SIAG and the SIAM newsletter provides an opportunity to do so. In particular, the SIAM Newsletter includes

- 1) technical overview articles written by experts in a wide range of disciplines
- 2) reports of progress and breakthroughs in research

If you have an idea for an article to be published in the SIAM newsletter then please contact me, as the SIAG's contact with SIAM News, to discuss it.

## Topic #5 ----- OP-SF NET 18.2 ----- March 15, 2011

From: OP-SF Net Editors

Subject: Chihara's "Orthogonal Polynomials" republished by Dover

This information is from the web site

<http://store.doverpublications.com/0486479293.html>

Theodore S. Chihara

**An Introduction to Orthogonal Polynomials**

ISBN 0486479293, 272 pages, \$19.95

Assuming no further prerequisites than a first undergraduate course in real analysis, this concise introduction covers general elementary theory related to orthogonal polynomials. It includes necessary background material of the type not usually found in the standard mathematics curriculum. Suitable for advanced undergraduate and graduate courses, it is also appropriate for independent study.

Topics include the representation theorem and distribution functions, continued fractions and chain sequences, the recurrence formula and properties of orthogonal polynomials, special functions, and some specific systems of orthogonal polynomials. Numerous examples and exercises, an extensive bibliography, and a table of recurrence formulas supplement the text.

Reprint of the Gordon and Breach Science Publishers, New York, 1978 edition.

## Topic #6 ----- OP-SF NET 18.2 ----- March 15, 2011

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 January and February 2011.

<http://arxiv.org/abs/1101.0983>

Proof of some conjectures of Z.-W. Sun on congruences for Apéry polynomials

Authors: [Victor J. W. Guo](#), [Jiang Zeng](#)

<http://arxiv.org/abs/1101.1587>

Adaptive and anisotropic piecewise polynomial approximation

Authors: [Albert Cohen](#), [Jean-Marie Mirebeau](#)

<http://arxiv.org/abs/1101.1683>

A Lie theoretic interpretation of multivariate hypergeometric polynomials

Authors: [Plamen Iliev](#)

<http://arxiv.org/abs/1101.1798>

On Krawtchouk polynomials

Authors: [Rodney Coleman](#) (LJK)

<http://arxiv.org/abs/1101.1808>

A factorization method for q-Racah polynomials

Authors: [Fabio Scarabotti](#)

<http://arxiv.org/abs/1101.1817>

Orthogonal polynomials on a bi-lattice

Authors: [Christophe Smet](#), [Walter Van Assche](#)

<http://arxiv.org/abs/1101.1923>

Concentration for noncommutative polynomials in random matrices

Authors: [Mark W. Meckes](#), [Stanislaw J. Szarek](#)

<http://arxiv.org/abs/1101.1946>

On sums of Apéry polynomials and related congruences

Authors: [Zhi-Wei Sun](#)

<http://arxiv.org/abs/1101.2335>

On a novel iterative method to compute polynomial approximations to Bessel functions of the first kind and its connection to the solution of fractional diffusion/diffusion-wave problems

Authors: [Santos Bravo Yuste](#), [Enrique Abad](#)

<http://arxiv.org/abs/1101.2640>

Bivariate second-order linear partial differential equations and orthogonal polynomial solutions

Authors: [I. Area](#), [E. Godoy](#), [A. Ronveaux](#), [A. Zarzo](#)

<http://arxiv.org/abs/1101.2875>

On q-Hermite polynomials and their relationship with some other families of orthogonal polynomials

Authors: [Paweł J. Szabłowski](#)

<http://arxiv.org/abs/1101.2982>

Multiple Meixner-Pollaczek polynomials and the six-vertex model

Authors: [Martin Bender](#), [Steven Delvaux](#), [Arno B.J. Kuijlaars](#)

<http://arxiv.org/abs/1101.3597>

Four families of orthogonal polynomials of  $C_2$  and symmetric and antisymmetric generalizations of sine and cosine functions

Authors: [Lenka Motlochova](#), [Jiri Patera](#)

<http://arxiv.org/abs/1101.3730>

An ensemble related to discrete orthogonal polynomials and its application to tilings of a half-hexagon

Authors: [Uwe Schwerdtfeger](#)

- <http://arxiv.org/abs/1101.4060>  
The Sagan-Savage Lucas-Catalan Polynomials Have Positive Coefficients  
Authors: [Shalosh B. Ekhad](#)
- <http://arxiv.org/abs/1101.4370>  
Global Asymptotics of the Meixner Polynomials  
Authors: [X.-S. Wang](#), [R. Wong](#)
- <http://arxiv.org/abs/1101.4371>  
Asymptotics of Orthogonal Polynomials via Recurrence Relations  
Authors: [X.-S. Wang](#), [R. Wong](#)
- <http://arxiv.org/abs/1101.4469>  
An exactly solvable spin chain related to Hahn polynomials  
Authors: [N.I. Stoilova](#), [J. Van der Jeugt](#)
- <http://arxiv.org/abs/1101.4894>  
Large Degree Asymptotics of Generalized Bessel Polynomials  
Authors: [José Luis López](#), [Nico M. Temme](#)
- <http://arxiv.org/abs/1101.5386>  
Generalized Legendre polynomials and related congruences modulo  $p^2$   
Authors: [Zhi-Hong Sun](#)
- <http://arxiv.org/abs/1101.5584>  
On orthogonal polynomials spanning a non-standard flag  
Authors: [David Gomez-Ullate](#), [Niky Kamran](#), [Robert Milson](#)
- <http://arxiv.org/abs/1102.0055>  
Minimal Cubature rules and polynomial interpolation in two variables  
Authors: [Yuan Xu](#)
- <http://arxiv.org/abs/1102.0571>  
Generalization of the Macdonald formula for Hall-Littlewood polynomials  
Authors: [Inka Klostermann](#)
- <http://arxiv.org/abs/1102.0672>  
On the density of polynomials in some  $L^2(M)$  spaces  
Authors: [Sergey M. Zagorodnyuk](#)
- <http://arxiv.org/abs/1102.0792>  
Large deviations for disordered bosons and multiple orthogonal polynomial ensembles  
Authors: [Peter Eichelsbacher](#), [Jens Sommerauer](#), [Michael Stolz](#)
- <http://arxiv.org/abs/1102.0812>  
The Exceptional  $(X_{\ell})$  (q)-Racah Polynomials  
Authors: [Satoru Odake](#), [Ryu Sasaki](#)

<http://arxiv.org/abs/1102.0921>

Riordan arrays, orthogonal polynomials as moments, and Hankel transforms

Authors: [Paul Barry](#)

<http://arxiv.org/abs/1102.1349>

Double scaling limit for modified Jacobi-Angelesco polynomials

Authors: [Klaas Deschout](#), [Arno B.J. Kuijlaars](#) (K.U.Leuven, Belgium)

<http://arxiv.org/abs/1102.1493>

Asymptotic estimates for Apostol-Bernoulli and Apostol-Euler polynomials

Authors: [Luis M. Navas](#), [Francisco J. Ruiz](#), [Juan L. Varona](#)

<http://arxiv.org/abs/1101.0984>

Mathematics and Economics of Leonid Kantorovich

Authors: [S.S. Kutateladze](#)

<http://arxiv.org/abs/1101.3688>

Transformations and invariants for dihedral Gauss hypergeometric functions

Authors: [Raimundas Vidunas](#)

<http://arxiv.org/abs/1101.0493>

Monodromy of A-hypergeometric functions

Authors: [Frits Beukers](#)

<http://arxiv.org/abs/1102.2612>

Hypergeometric type operators and related quasi-exactly solvable systems

Authors: [Nicolae Cotfas](#), [Liviu Adrian Cotfas](#)

<http://arxiv.org/abs/1102.3003>

Acceleration of generalized hypergeometric functions through precise remainder asymptotics

Authors: [Joshua L. Willis](#)

<http://arxiv.org/abs/1102.5219>

Differentiation by integration using orthogonal polynomials, a survey

Authors: [Enno Diekema](#), [Tom H. Koornwinder](#)

<http://arxiv.org/abs/1102.1578>

Orthogonal matrix polynomials satisfying differential equations with recurrence coefficients having non-scalar limits

Authors: [Jorge Borrego](#), [Mirta Castro](#), [Antonio J. Durán](#)

<http://arxiv.org/abs/1101.4950>

Arc Spaces and Rogers-Ramanujan Identities

Authors: [Clemens Bruschek](#), [Hussein Mourtada](#), [Jan Schepers](#)

<http://arxiv.org/abs/1101.4567>

On a classical limit of q-deformed Whittaker functions

Authors: [Anton Gerasimov](#), [Dimitri Lebedev](#), [Sergey Oblezin](#)

<http://arxiv.org/abs/1102.1444>  
Caputo q-Fractional Initial Value Problems and a q-Analogue Mittag-Leffler Function  
Authors: [Thabet Abdeljawad](#), [Dumitru Baleanu](#)

<http://arxiv.org/abs/1102.2014>  
Linear independence measures for values of certain q-series  
Authors: [Igor Rochev](#)

<http://arxiv.org/abs/1102.2510>  
Note on the location of zeros of polynomials  
Authors: [Josep Rubió-Massegú](#)

<http://arxiv.org/abs/1102.2036>  
Hermite Polynomials in Dunkl-Clifford Analysis  
Authors: [Minggang Fei](#), [Paula Cerejeiras](#), [Uwe Kähler](#)

<http://arxiv.org/abs/1102.2723>  
A question by Chihara about shell polynomials and indeterminate moment problems  
Authors: [Christian Berg](#) (university of Copenhagen), [Jacob S. Christiansen](#) (University of Copenhagen)

<http://arxiv.org/abs/1102.3517>  
On distribution of zeros of random polynomials in complex plane  
Authors: [Ildar Ibragimov](#), [Dmitry Zaporozhets](#)

<http://arxiv.org/abs/1102.3707>  
Wavelets from Laguerre polynomials and Toeplitz-type operators  
Authors: [Ondrej Hutník](#)

<http://arxiv.org/abs/1102.4655>  
Characteristic Polynomials of Random Matrices and Noncolliding Diffusion Processes  
Authors: [Makoto Katori](#)

<http://arxiv.org/abs/1102.5669>  
Zeros of the exceptional Laguerre and Jacobi polynomials  
Authors: [C.-L. Ho](#), [R. Sasaki](#)

<http://arxiv.org/abs/1102.1156>  
La série entière  $1 + \frac{z}{\Gamma(1+i)} + \frac{z^2}{\Gamma(1+2i)} + \frac{z^3}{\Gamma(1+3i)} + \dots$  possède une frontière naturelle~!  
Authors: [Changgui Zhang](#)

<http://arxiv.org/abs/1101.4257>  
Fractional part integral representation for derivatives of a function related to  $\ln \Gamma(x+1)$   
Authors: [Mark W. Coffey](#)

<http://arxiv.org/abs/1101.4698>

An inequality involving the gamma and digamma functions

Authors: [Feng Qi](#), [Bai-Ni Guo](#)

<http://arxiv.org/abs/1101.4624>

Turán determinants of Bessel functions

Authors: [Árpád Baricz](#), [Tibor K. Pogány](#)

<http://arxiv.org/abs/1101.5904>

Fractional  $h$ -difference equations arising from the calculus of variations

Authors: [Rui A. C. Ferreira](#), [Delfim F. M. Torres](#)

<http://arxiv.org/abs/1101.1594>

Multiple Dedekind Zeta Functions

Authors: [Ivan Horozov](#)

<http://arxiv.org/abs/1101.3197>

Large gaps between consecutive zeros on the critical line of the Riemann zeta-function

Authors: [Johan Bredberg](#)

<http://arxiv.org/abs/1101.4786>

The Riemann zeta in terms of the dilogarithm

Authors: [Sergio Albeverio](#), [Claudio Cacciapuoti](#)

<http://arxiv.org/abs/1101.5722>

Evaluation of some second moment and other integrals for the Riemann, Hurwitz, and Lerch zeta functions

Authors: [Mark W. Coffey](#)

<http://arxiv.org/abs/1101.3121>

Quantifying momenta through the Fourier transform

Authors: [B. M. Rodríguez-Lara](#)

<http://arxiv.org/abs/1102.2680>

Character analogues of Ramanujan type integrals involving the Riemann  $\zeta$ -function

Authors: [Atul Dixit](#)

<http://arxiv.org/abs/1102.2354>

A diffusion equation for the density of the ratio of Gaussian variables and the numerical inversion of Laplace transform

Authors: [Piero Barone](#)

<http://arxiv.org/abs/1102.5255>

Singular matrix Darboux transformations in the inverse scattering method

Authors: [A. A. Pecheritsin](#), [A. M. Pupasov](#), [Boris F. Samsonov](#)

## Topic #7 ----- OP-SF NET 18.2 ----- March 15, 2011

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 140 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:

<http://staff.science.uva.nl/~thk/opsfnet>  
<http://math.nist.gov/~DLozier/OPSFnet/>

For several years the Activity Group sponsored a printed Newsletter, most recently edited by Rafael Yanez. Back issues are accessible at:

<http://www.mathematik.uni-kassel.de/~koepf/siam.html>

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, go to <http://lists.siam.org/mailman/listinfo/siam-OPSF>. To contribute an item to the discussion, send email to [siam-opsf@siam.org](mailto:siam-opsf@siam.org). The archive of all messages can be found by following links at <http://siam.org/activity/listservs.php>. 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. 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 18.2 ----- March 15, 2011

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 [dominid@newpaltz.edu](mailto:dominid@newpaltz.edu) or [muldoon@yorku.ca](mailto:muldoon@yorku.ca) .

Contributions to OP-SF NET 18.2 should be sent by May 1, 2011.

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 (2011-2013) are:

Chair: Francisco Marcellán

Vice Chair: Jeffrey S. Geronimo

Program Director: Diego Dominici

Secretary: Peter Clarkson

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