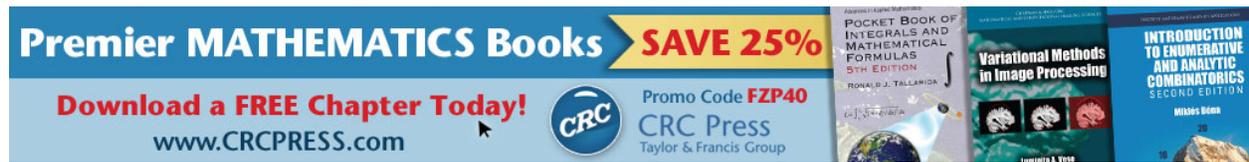


SIAM Unwrapped – October 2015

This issue of Unwrapped brought to you with partial support from:



Premier MATHEMATICS Books **SAVE 25%**

Download a **FREE Chapter Today!**
www.CRCPRESS.com

Promo Code **FZP40**
CRC Press
Taylor & Francis Group

POCKET BOOK OF INTEGRALS AND MATHEMATICAL FORMULAS 5TH EDITION
RONALD J. TALLARIDA

Variational Methods in Image Processing
RONALD A. DEVORE

INTRODUCTION TO ENUMERATIVE AND ANALYTIC COMBINATORICS SECOND EDITION
Miklos Bona

View [HTML version](#)



Dear SIAM members,

How does SIAM raise visibility of the mathematical sciences? Through prizes, fellowships, and advocacy. In this issue, find out about ways you can help SIAM fulfill this mission by helping us recognize and reward the most deserving members of the applied math and computational science community. Also, have a say in who represents SIAM and makes decisions on your behalf by voting in the SIAM general elections.

Regards,

Karthika Swamy Cohen

Editor

Contents:

SIAM HQ UPDATE

- 3 Weeks Left: Vote in the SIAM Elections
- Nominations closing for the 2016 Class of SIAM Fellows
- Sign up for *SIAM News* online alerts

PUBLIC AWARENESS

- SIAM films research in action

PUBLISHING NEWS & NOTES

- New Year to bring changes to journals leadership
- New SIAM Books
 - *A Primer on Radial Basis Functions with Applications to the Geosciences*

UPDATES ON CONFERENCES & PRIZES

- Meetings in Cooperation with SIAM

- SIAM sessions at Joint Mathematics Meetings
- Go mobile at LA15
- SIAM conference registrations & submissions
- Prize nomination deadlines

::: SIAM HQ UPDATE :::

3 Weeks Left: Vote in the SIAM Elections

The SIAM General Election closes in just 3 weeks. Haven't voted yet? Not to worry – [read candidate bios and statements](#) and vote using the instructions and unique voting credentials that should have landed in your inbox September 1 (and again September 22). If you did not receive your voting creds, email election@siam.org and we'll send them your way. Thanks again for your vote! [Learn more about the election and candidates.](#)

Nominations closing for the 2016 Class of SIAM Fellows

Nominations for the 2016 Class of Fellows are being accepted through November 2. Members can nominate up to two individuals for distinguished work in the fields of applied mathematics and computational science at <http://nominatefellows.siam.org>.

Please note some important changes to the Fellows Program: Nominees must have been SIAM members for 7 of the past 10 years. Nominations must contain the support of three nominators, a citation of 20 words or less, a CV of no more than four pages, one letter of nomination (written by one or more of the nominators), and two letters of recommendation (written by individuals who are not nominators). The letters of nomination and recommendation must be no longer than 2 pages.

Rollover nominations from prior years will remain viable for selection, but we encourage the nominators to update them to conform to the new guidelines. Help SIAM honor exemplary researchers in the applied mathematical and computational sciences as well as those with outstanding service to the community by sending in your nominations!

More information on the SIAM Fellows Program, including nomination guidelines, is at <http://www.siam.org/prizes/fellows/index.php>.

Fellows will be announced in March and will be recognized at the [2016 Annual Meeting](#) in Boston.

Sign up for *SIAM News* online alerts

Do you like to be in the know of exciting research findings, events and trends in the mathematical sciences? Read the most recent issue of *SIAM News* as soon as it goes online, well before you get your copy in the mail!

Sign up to receive alerts as new issues are posted. Visit sinews.siam.org, and click on the "sign up" button on the top right to get on the list.

::: PUBLIC AWARENESS :::

SIAM films research in action

SIAM conducted its first-ever video contest this summer—participants were invited to submit brief video pitches outlining their work as well as their reasons for requiring SIAM’s help communicating their research to the broader audience. Of many entries from around the world, the top entry was selected last month. Luciano Fleischfresser, a professor at Universidade Tecnológica Federal do Paraná in Brazil researches green roofs, which help stabilize temperatures in closed environments, as well as have implications in city planning, air quality, and flash flood protection. As a reward for his winning entry, Fleischfresser will receive professional advice and coaching on research communication from science journalist Flora Lichtman, whose work has appeared in *The New York Times* and on NPR’s Science Friday. The product of the training will be a brief video clip communicating Fleischfresser’s research work and its applications, which will be promoted to the media and on SIAM’s YouTube channel. Watch out for more video training and projects to come from SIAM next year!

::: PUBLISHING NEWS & NOTES :::

New Year to bring changes to journals leadership

Michael Elad and Angela Kunoth have agreed to take the Editor-in-Chief posts at *SIAM Journal on Imaging Sciences* and *SIAM Journal on Numerical Analysis*, respectively. At *SIAM/ASA Journal on Uncertainty Quantification*, David Higdon will join Donald Estep in joint leadership. The changes are effective January 1.

All three boast years of service as Associate Editors for their journals. Dr. Elad is a professor in the computer science department of Technion; Dr. Kunoth a professor of mathematics and natural sciences at the University of Cologne; and Dr. Higdon is at Virginia Tech University as a professor in the Social Decision Analytics Laboratory.

New SIAM Books

A Primer on Radial Basis Functions with Applications to the Geosciences

Bengt Fornberg and Natasha Flyer

Adapted from a series of lectures given by the authors, this monograph focuses on radial basis functions (RBFs), a powerful numerical methodology for solving PDEs to high accuracy in any number of dimensions. This method applies to problems across a wide range of PDEs arising in fluid mechanics, wave motions, astro- and geosciences, mathematical biology, and other areas and has lately been shown to compete successfully against the very best previous approaches on some large benchmark

problems. Using examples and heuristic explanations to create a practical and intuitive perspective, the authors address how, when, and why RBF-based methods work.

Additional information: <http://bookstore.siam.org/cb87/>

2015 / x + 221 pages / Softcover / ISBN: 978-1-611974-02-7 / List Price \$79.00 / SIAM Member Price \$55.30 / Order Code CB87

::: **UPDATES ON CONFERENCES & PRIZES** :::

Meetings in Cooperation with SIAM

Every year, there are several workshops and conferences that are run in cooperation with SIAM. These are meetings on topics of interest to SIAM members and share a connection to SIAM by having members on their organizing committees. There is a [calendar of meetings](#) in-cooperation with SIAM and the meetings may use the SIAM logo on their web pages as well as promotional materials. If you are interested in proposing a meeting in cooperation with SIAM, please refer to these [guidelines for in cooperation](#). To submit a proposal, you should review the guidelines and address the requirements in a correspondence directed to the e-mail listed on the site. All meetings in cooperation with SIAM must be approved by the SIAM Vice President of Programs.

SIAM sessions at Joint Mathematics Meetings

SIAM will be sponsoring several sessions at the 2016 Joint Mathematics Meetings (JMM 2016) to be held January 6-9, 2016, in Seattle, Washington, including the SIAM Invited Address by Rachel Kuske from the University of British Columbia and the AMS-MAA-SIAM Gerald and Judith Porter Public Lecture by Jennifer Chayes from Microsoft Research.

You can see a full schedule of SIAM-sponsored sessions, including several minisymposia, at <http://www.siam.org/meetings/jmm16/index.htm>. The full JMM schedule can be viewed [here](#). SIAM will also be displaying books and journals in the exhibit hall from January 6-9 at booths 202-204. We hope to see you there!

Students can register with the early bird student rate for the meeting by December 22nd at http://jointmathematicsm meetings.org/meetings/national/jmm2016/2181_reg.

Go mobile at LA15

A mobile app for the [SIAM Conference on Applied Linear Algebra](#) taking place October 26-20, 2015 in Atlanta, Georgia is available for download.

Plug www.tripbuildermedia.com/apps/siam2015events into your mobile browser. The link will automatically detect the type of device and take you to the right place to download the app. Or, view the mobile site in HTML5 by connecting to www.tripbuilder.net/mw/apps/siam2015events. You will be

requested to set up an account to use the mobile app. This will allow you to share your calendar of events across devices.

You can then select LA15 from the list of 2015 SIAM events on the app or mobile site to view the schedule, browse speakers, attendees, and exhibitors, take a look at maps and building layouts, sync events with your mobile calendar, create your own show by selecting specific sessions, and more!

SIAM conference registrations & submissions

[SIAM Conference on Analysis of Partial Differential Equations \(PD15\)](#), December 7-10, 2015, Scottsdale, Arizona, USA

Pre-registration deadline: Monday, November 9, 2015

<https://www.siam.org/meetings/pd15/regform.php>

[SIAM Conference on Parallel Processing for Scientific Computing \(PP16\)](#), April 12-15, 2016, Paris, France

Deadline for contributed lecture, poster and minisymposium presentation abstracts: October 13, 2015

<http://www.siam.org/meetings/pp16/submissions.php>

[SIAM International Conference on Data Mining \(SDM16\)](#), May 5-7, 2016, Miami, Florida, USA

Deadline for paper submission: October 16, 2015

<http://www.siam.org/meetings/sdm16/submissions.php>

[SIAM Conference on Mathematical Aspects of Materials Science \(MS16\)](#), May 8-12, 2016, Philadelphia, Pennsylvania, USA

Deadline for contributed lecture, poster and minisymposium presentation abstracts: December 15, 2015

NEW: When submitting contributed lectures or posters, speakers will be requested to identify to which minisymposium they are submitting. Accepted minisymposia will be posted by October 24.

For details on how to submit go to <http://www.siam.org/meetings/ms16/submissions.php>

[SIAM Conference on Imaging Science \(IS16\)](#), May 23-26, 2016, Albuquerque, New Mexico, USA

Deadline for minisymposia proposals: October 26, 2015

Deadline for contributed lecture, poster and minisymposium presentation abstracts: November 23, 2015

<http://www.siam.org/meetings/is16/submissions.php>

[SIAM Conference on Discrete Mathematics \(DM16\)](#), June 6-10, 2016, Atlanta, Georgia, USA

Deadline for minisymposia proposals: January 11, 2016

Deadline for contributed lecture, poster and minisymposium presentation abstracts: February 1, 2016

<http://www.siam.org/meetings/dm16/submissions.php>

[SIAM Conference on the Life Sciences \(LS16\)](#), July 11-14, 2016, Boston, Massachusetts, USA

Deadline for minisymposia proposals: January 19, 2016

Deadline for contributed lecture, poster and minisymposium presentation abstracts: February 1, 2016

This meeting is joint with the SIAM Annual Meeting, but program submissions are separate.

<http://www.siam.org/meetings/ls16/submissions.php>

SIAM Annual Meeting (AN16), July 11-15, 2016, Boston, Massachusetts, USA

Deadline for minisymposia proposals: January 19, 2016

Deadline for contributed lecture, poster and minisymposium presentation abstracts: February 1, 2016

This meeting is joint with the SIAM conference on the Life Sciences, but program submissions are separate.

<http://www.siam.org/meetings/an16/submissions.php>

Please see the [SIAM Conference Calendar](#) for a full list of SIAM meetings and meetings sponsored by SIAM.

Prize nomination deadlines

The deadline for nominations for the following prizes is November 1, 2015:

[The John von Neumann Lecture](#)

[Richard C. DiPrima Prize](#)

[George Pólya Prize in Combinatorics](#)

[W. T. and Idalia Reid Prize](#)

[AWM-SIAM Sonia Kovalevsky Lecture](#)

[Dénes König Prize](#)

[SIAG/SC Best Paper Prize](#)

[SIAG/SC Career Prize](#)

[SIAG/SC Early Career Prize](#)

[SIAG/IS Best Paper Prize](#)

[SIAG/IS Early Career Prize](#)

Please view the official call for prizes here: <http://connect.siam.org/one-more-month-nominate-your-colleague-for-a-siam-prize/>

For the complete list of the call for nominations, please visit:

<http://www.siam.org/prizes/nominations.php>

Society for Industrial and Applied Mathematics (SIAM)
3600 Market Street, 6th Floor, Philadelphia, PA, 19104-2688 USA
Phone: +1 215 382 9800 Fax: +1 215 386 7999 www.siam.org



If your email does not support the hyperlink features, please copy any of the above URLs and paste them into your Internet browser. Questions/comments/suggestions? Send them to karthika@siam.org.