



# PPS Newsletter

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June 2019

Information to Polymer Processing Society Members

## The PPS-35 International Conference, May 26-30, 2019, held in Çeşme, Turkey, was a superb success

The PPS-35 International Conference of PPS took place in Çeşme (near Izmir), Turkey, on May 26-30 2019 (website <http://www.pps-35.org/>). The superb Radisson Blu Resort and Spa Hotel was the venue, which is an excellent world-class place for such a conference. The PPS-35 Organizer, Prof. Yusuf Mencelöglu of Sabanci University, offered an outstanding conference combining the best of the East with the best of the West.

There were organized Symposia (16 general + 6 special), 8 Plenary and 51 Keynote lectures, 278 oral and 113 posters. There were contributions from 39 countries, submissions were 450. From the list of participants, Turkey (150) had the biggest list, followed by Europe (133), Asia (96), North America (44), South America (13), Africa (7), Middle East (7). From countries (participants), Germany (40), China (33), Korea (24), USA (24), Japan (23), Canada (20), etc. There will be 100 AIP Proceedings to be reviewed.

The plenary speakers were Dr. Remzi Becer of Queen Mary University of London, UK, Prof. Catherine Brinson of Duke University, USA, Prof. Samuel Kenig of Shenkar College, Tel Aviv, Israel, Prof. Takeshi Kikutani of Tokyo Institute of Technology, Japan, Prof. Yongjin Li of Hangzhou Normal University, China, Prof. Amar Mohanty of University of Guelph, Canada, Dr. Suprakas Sinha Ray of CSIR National Centre, Pretoria, South Africa, and Prof. Niyazi Serdar Sariçiğti of the Johannes Kepler University in Linz, Austria.

The banquet took place at the Radisson Blu Hotel. During the banquet the awardees of PPS for 2019 were given their awards by Prof. Manas-Zloczower and Prof. Altan, PPS President. The awardees were Prof. Yongjin Li (Lambla Award), Prof. Sam Kenig (JL White Innovation Award), and Prof. Reza Foudazi (Early Career Award). A special commemorative plaque was also given to Prof. Titomanlio for his tremendous contributions made to the PPS.

Excursions took place to Izmir and Ephesus, where the participants had a chance to see centuries-old ancient monuments and appreciate nature and landscape at its best.



Prof. Altan (President of PPS) at the opening ceremony of PPS-35 International Conference.



Prof. Mencelöglu (Organizer of PPS-35) at the opening ceremony greets the delegates.



Prof. Manas-Zloczower is giving a commemorative plaque to Prof. Titomanlio for his tremendous contributions made to the PPS.



Ica Manas-Zloczower (far left), the Early Career Awardee Prof. Reza Foudazi, and PPS President Cengiz Altan during the Banquet of PPS-35 in Çeşme.



Ica Manas-Zloczower (far left), the Morand Lambla Awardee Prof. Yongjin Li, and PPS President Cengiz Altan during the Banquet of PPS-35 in Çeşme.



Ica Manas-Zloczower (far left), the James L. White Innovation Awardee Prof. Sam Kenig, and PPS President Cengiz Altan during the Banquet of PPS-35 in Çeşme.

## The PPS-2019 Europe/Africa Regional Conference, November 18-21, 2019, to be held in Pretoria, South Africa

The PPS-2019 Europe/Africa Regional Conference of PPS will take place in Pretoria, South Africa, on November 18-21, 2019 (website <http://www.pps2019.com/>). The PPS-2019 Organizer, Prof. Suprakas Sinha Ray of the Council for Scientific and Industrial Research (CSIR), is promising an outstanding conference combining the best of the South Africa Polymer Processing with the best of PPS.

The theme of the conference is "*Advanced Plastics* as an enabling technology for the *Fourth Industrial Revolution* (Industry 4.0)" and it will be held at the Council for Scientific and Industrial Research International Convention Centre ([www.csiricc.co.za](http://www.csiricc.co.za)).

The conference website ([www.pps2019.com](http://www.pps2019.com)) is operational from mid December 2018 and is becoming an increasingly useful resource for further information such as the Main Topics of the Conference; Registration; Plenary, Keynote and Invited Speakers; Oral and Poster Presentations; Scientific and Cultural Programs; Accommodation; Transport; Sightseeing, and Others.

In addition to the attractive conference schedule, there will be a one-day Polymer Processing School on "*Advanced Polymer Processing for Industry 4.0*", where world-class professionals will offer training courses. Details will be announced on the conference website.

Pretoria was officially founded in 1855 by Marthinus Pretorius who was a leader of the Voortrekkers. The city is also popularly known as *The Jacaranda City* due to the thousands of Jacarandra trees planted in its streets, parks and gardens. It is one of South Africa's three capital cities and a *popular tourist* destination among tourists from abroad and South Africa. The average November temperature is in between 15 to 28°C.



South Africa with its capital city Pretoria. The PPS-2019 Europe / Africa Regional Conference will take place there.



Downtown Pretoria, where PPS-2019 will take place.



Palace of Justice in downtown Pretoria.

## The PPS-36 International Conference, May 31-June 4, 2020, to be held in Montreal, Canada

The PPS-36 International Conference of PPS will take place in Montreal, Canada, on May 31-June 4 2020 (website <http://www.pps36.ca/>). The Sheraton Centre in the downtown area will be the venue, which is an excellent world-class place for such a conference. The PPS-36 Organizer, Prof. Abdellah Ajji of Ecole Polytechnique de Montreal, is promising an outstanding conference combining the best of North America with the best of the World.

PPS-36 will be an incredible opportunity to learn, to participate and to network with those who are at the forefront of our field. The scientific program will provide you with the most advanced knowledge and cutting-edge developments in polymer science and technology.

The Conference will take place in Montreal, Canada. It is the most populous city in the Canadian province of Quebec and the second most populous city in Canada, centred on the Island of Montreal. It is also a hub of research activities in polymer processing and technology. With your valuable contribution, the Conference will be a great opportunity to share knowledge and have high quality discussions on many polymer subjects.

Professionals in different aspects of Polymer fields from all around the world will be joining, general and specific symposia will be offered from polymer processing to polymer recycling and sustainability. Oral and poster presentations will give you the valuable opportunity to network, to learn and to participate in discussing the global challenges the polymer engineering field is facing.



Montreal is the second most populous city in Canada in the province of Quebec. The PPS-36 International Conference will take place there.

Montreal has a beautiful river front on the St-Laurent river near the city center where PPS-36 will take place.

Another view of Montreal's river front, where the PPS-36 International Conference will take place.

## Other Meetings of Interest to PPS Members

### 2019

16 October - 23 October  
K-Show 2019  
Duesseldorf, Germany  
<http://www.k-online.com>

10 Nov - 15 Nov  
2019 AIChE Annual Meeting  
Hyatt Regency, Orlando, FL, USA

<https://www.aiche.org/conferences/aiche-annual-meeting/2019>

## 2020

March 30-April 2  
SPE ANTEC 2020  
San Antonio, TX, USA

<https://www.4spe.org/i4a/pages/index.cfm?pageid=3697>

August 2-7  
XVIII<sup>th</sup> International Congress on Rheology  
Rio de Janeiro, Brazil  
[icr2020.com](http://icr2020.com)

November 15-20  
2020 AIChE Annual Meeting  
Hilton, San Francisco Union Square, CA, USA  
<https://www.aiche.org/conferences/aiche-annual-meeting/2020>

## Lambda Award winner for 2019 is Yongjin Li of the Hangzhou Normal University, China

The Lambda Award was given at PPS-35 in Çeşme, Turkey, to Prof. Yongjin Li.



**Prof. Yongjin Li**, received his PhD degree in 2002 from Shanghai Jiaotong University of China. He was a JSPS Postdoctoral Fellow at the National Institute of Advanced Industrial Science and Technology (AIST), Japan, from 2002 to 2003, and then became a researcher (tenured in 2007) at the AIST. In 2011, he moved to Hangzhou Normal University, China, as a full professor. He was appointed as a “Qianjiang Scholar” and “Zhejiang Thousand Talents” in 2012. He is now the head of the department of polymer science at Hangzhou Normal University.

Prof. Li’s research work deals with the structure control and the structure-property relationship of multi-component polymers, including polymer alloys and polymer composites. He is known for the development of high shear processing technologies for multi-component polymers. He is also recognized for his works in reactive polymer processing, especially in reactive compatibilization of immiscible polymer blends by reactive comb polymers and reactive nanoparticles. He has very recently also focused on polymer irradiation processing.

Prof. Li has published more than 120 publications in international peer-reviewed journals and is a (co-)author of 6 book chapters. His papers have been cited more than 3400 times with h-index of 32. He has given over 30 plenary/keynote/invited lectures in international conferences. He has filed 80 Chinese, Japanese, and US patents, of which 48 (25 Chinese, 4 US and 19 Japanese) are already authorized. In 2010, he received the “Tsukuba Bio & Chemistry Award” (with Dr. Hiroshi Shimizu) in Japan. In 2017, he received the “Innovation Young Scientist in Polymer Processing of China” award. In 2018, he received the “Feng Xinde Polymer Price”.



## JLWhite Innovation Award for 2019 Goes to Prof. Sam Kenig, Shenkar College, Tel Aviv, Israel

The James L White Award was given at PPS-35 in Çeşme, Turkey, to Sam Kenig.

Dr. Sam Kenig received this prestigious Award for his innovative developments in the field of polymer processing technologies with recent commercial impact. His research on anti-corrosion coatings was patented all over the world and formed the basis for Nanto Paint Inc. and is already commercialized with close to twenty different products. The Silane treated Nanoclays that is the basis for a new generation of "Green" fire retardants was patented all over the world and is now, after a successful pilot stage, in the initial stages of commercialization in injection molded products. Finally, the Superhydrophobic technology is in the stage of PCT patent and has been already applied commercially for anti-icing application.



**Samuel Kenig** was educated in Israel and Canada. He received his B.Sc. in Chemical Engineering from the Israel Institute of Technology (IIT) in 1968 and his Ph.D. in Chemical Engineering in 1972 from McGill University, Montreal, Canada, both with Honors.

Following his Ph.D. studies Dr. Sam Kenig worked in the R&D laboratories of the Canadian Industries Ltd. in McMasterville, Quebec, from 1971 to 1974 and then from 1974 to 1991 in the research authority of the Israel MOD, where he was the Director of the Materials and Processes Division.

In 1992 he established the Israel Plastics and Rubber Center Ltd. where he served as the Managing Director till 2014.

In 1994 he established the Polymers and Plastics Engineering Department in Shenkar College and served as the department head till 2004. From 2004 to 2007 he was the head of the Chemical Engineering Department in Shenkar College and from 2007 he acts as the Dean of Engineering in Shenkar College and head of the Graduate Studies in the Polymers and Plastics Department.

In 2013 he was nominated as the Chief Technology Officer (CTO) of Nantocleantech (NCT) and President of NCT Israel in 2016, where he developed the anti-corrosion paints and fire retardant additives.

Prof. Kenig is the author of more than 160 papers, 18 patents, 3 of them are related to anti-corrosion of metals and fire retardancy of plastics (allowed in 68 countries and pending in 49 countries).

He is the 2016 winner of the SPE International Award and Fellow of the SPE since 2001.

Prof. Kenig recently edited the book, "Processing of polymer nanocomposites" which is part of the PPS series of Progress in Polymer Processing (PPP) published by Hanser.

Finally, he is a member of the International Committee of the PPS.

## **Early Career Award for 2019 goes to Prof. Reza Foudazi of New Mexico State University, NM, USA**

The Early Career Award was given at PPS-35 in Çeşme, Turkey, to Prof. Reza Foudazi.



Dr. Reza Foudazi holds a B.Sc. and an M.Sc. in polymer engineering from Amirkabir University of Technology (AUT), Tehran, Iran, where he worked on modeling non-Newtonian fluid flows in mixers. He received his doctorate in Chemical Engineering from the Cape Peninsula University of Technology (CPUT), Cape Town, South Africa, on the structure and rheology of High Internal Phase Emulsions (HIPEs).

He worked as a postdoctoral fellow in the Flow Process and Rheology Centre at CPUT on replacing surfactants by nanoparticles and controlling the rheology of HIPEs. Then, he joined the Department of

Macromolecular Science and Engineering at Case Western Reserve University (Ohio, USA) as a research associate, and worked on the polymerization of HIPEs and the production of fibrous porous polymers.

Dr. Foudazi joined the Department of Chemical and Materials Engineering at New Mexico State University (NMSU) as a tenure-track assistant professor in fall 2013. He has established the Soft Matter Research & Technology (SMaRT) lab at NMSU.

The current research activities in his group are focused on the production of membranes for water treatment and electrochemical processes, mesophases from self-assembly of amphiphilic block copolymers, and rheology of soft matter, with the goal of making responsive and multifunctional soft materials.

He was a visiting faculty in Materials Research Science and Engineering Center (MRSEC) at University of Minnesota-Twin Cities in summer 2016 and in Foundation for Research and Technology at the University of Crete in summer 2017. His research has been funded by the National Science Foundation, ACS Petroleum Research Fund, U.S. Department of Interior Bureau of Reclamation, U.S. Environmental Protection Agency, and the New Mexico Water Resources Research Institute.

Dr. Foudazi has 36 publications in peer-reviewed journals and 5 intellectual properties. His publications have received about 480 citations with an h-index of 14. He has more than 50 conference papers and served as a reviewer in leading journals in the field, such as *Macromolecules*, *Carbon*, *Soft Matter*, *Polymer International*, *Polymer Composites*, *Rheologica Acta*, and *Journal of Rheology*.

## **Plastics and Recycling**

Plastics in the oceans is frequently in the news. PPS Member Prof. Kim Ragaert of Ghent University, Belgium, presented a very interesting TED TALK.

<https://www.youtube.com/watch?v=bBYfKl-4d0&t=4s>

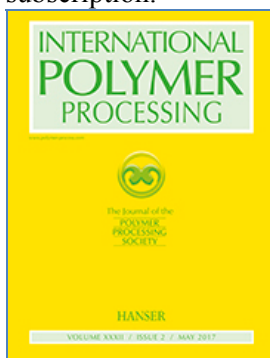
## **Check Out the PPS Member Offers from Hanser Publishers!**

(by Mark Smith, Senior Editor, Plastics Technology, Hanser)

Find out below about new developments for *International Polymer Processing*, including early access publishing, an extended offering of open access articles, and a new optional copyediting service. Also check out the new books in the *Progress in Polymer Processing* series. But first, here is a reminder of some of the offers and privileges from Hanser that your PPS membership entitles you to:

### **1. Free Personal Member Subscription to *International Polymer Polymer Processing***

Don't forget that the renowned journal of the Polymer Processing Society, *International Polymer Processing* (IPP), is available to PPS members as a **free** personal (single-user) subscription.



Full details for how to register as a member for the online edition can be found here:

<http://psfebus.allenpress.com/eBusPOPR/PUBLICATIONS.aspx>

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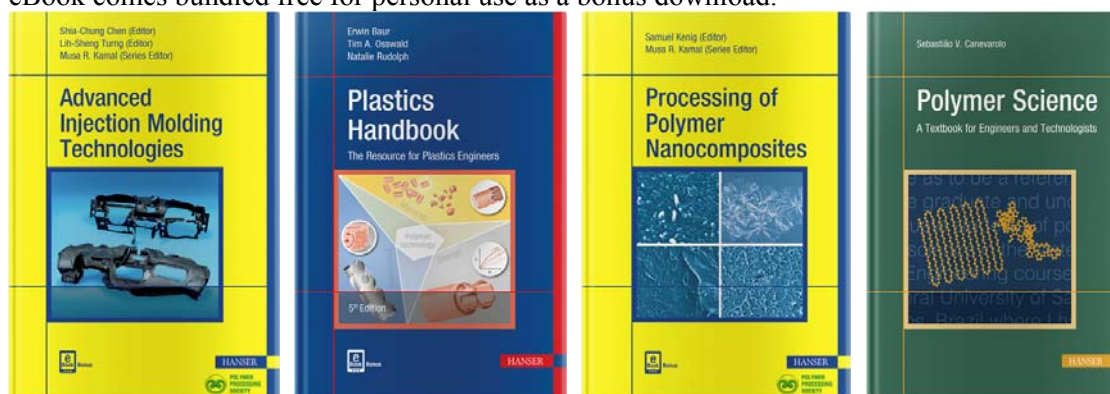
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#### 4. 30% Discount on All Books at Hanser Publications

PPS members get a discount of **30%** on ALL Hanser books available from [www.hanserpublications.com](http://www.hanserpublications.com), including the Progress in Polymer Processing series from the PPS. Just enter the code **PPS3014** at the checkout. For almost all recent Hanser books, the eBook comes bundled free for personal use as a bonus download.



Recently published books in the *Progress in Polymer Processing* series:

- **Processing of Polymer Nanocomposites (Kenig); published 4/2019:**  
[www.hanserpublications.com/Products/519-processing-of-polymer-nanocomposites.aspx](http://www.hanserpublications.com/Products/519-processing-of-polymer-nanocomposites.aspx)
- **Advanced Injection Molding Technologies (Chen/Turng); published 5/2019:**  
[www.hanser-fachbuch.de/9781569906033](http://www.hanser-fachbuch.de/9781569906033)

Coming soon in *Progress in Polymer Processing*:

- **Integrated Engineering of Continuous-Discontinuous Long Fiber Reinforced Polymer Structures**  
(Böhlke/Henning/Hrymak/Kärger/Weidenmann/Wood)

### **New Reasons to Publish in IPP!**

From Issue 4/2019, IPP will offer **early access publishing** (e-first) at no additional cost to authors. This means that articles are placed online as soon as they have gone through the acceptance, editorial, and typesetting processes, rather than having to wait until the complete journal issue is published. Benefits for IPP authors include:

- Significantly faster average publication times.
- Earlier availability means earlier opportunities for an article to be cited.

Note that e-first articles receive a DOI and are considered published from the day they appear online, and can be cited from that date. However, as soon as the full issue they will appear in is published, they will appear with full bibliographic information for clearer article citation.

You might have noticed that a significant number of IPP articles from the past few years have been made **open access** sometime after publication. This is part of our strategy to boost open access and increase readership of the journal outside of the PPS membership and institutional subscribers. These articles fall into two categories:

- One article per issue is made permanently open access based on the independent selection of the Editor-in Chief. These articles are made open access shortly after publication.
- Further selected articles were made open access several months after publication, on a limited-time basis.

No open access fee is demanded for these articles. However, note that paid open access offers the additional benefit of permanent and guaranteed open access from the day of publication.

Finally, I would like to announce a co-operation between Hanser and Enago, a well-established and respected company offering **copyediting services** internationally. Enago's copyediting services are offered on preferential terms to IPP authors, and are recommended to article authors who would like assistance in meeting the English-language standards of IPP articles. More information available here:

[www.enago.com/hanser](http://www.enago.com/hanser)

Hanser is proud to be publisher of the journal and books of the Polymer Processing Society.

### **Next Newsletter – November 2019**

If you have comments on how to improve this newsletter or want to share some information in the next one, please contact the Newsletter Editor Prof. Evan Mitsoulis at [mitsouli@metal.ntua.gr](mailto:mitsouli@metal.ntua.gr). The next issue of the Newsletter is due in November 2019.