

**Third Biennial International Symposium on
Polymer Science and Technology
in collaboration with Institutions, Industries and Universities
(IIU PST 2017)**



'Polymers and Advanced Materials for Sustainable Development'

Symposium Programme

13th – 15th July 2017

at

Golden Rose Hotel, Boralesgamuwa

Jointly Organized by

University of Sri Jayewardenepura

and

National Science Foundation of Sri Lanka



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13th July 2017 Golden Rose Hotel, Boralesgamuwa, Sri Lanka	
Inauguration Dinner 6:45 pm onwards	
6:45 pm	Arrival of Invitees and Guests
7:00 pm	Arrival of the Chief Guest and Guest of Honor
7:05 pm	Inauguration of IIUPST 2017 by Lighting of Traditional Oil Lamp followed by the University Anthem
7:15 pm	Welcome Address by Prof. Sudantha Liyanage, the President, Symposium Organizing Committee and Dean, Faculty of Applied Sciences, University of Sri Jayewardenepura
7:20 pm	IIU PST 2017 – a Video Presentation
7:25 pm	Address by Prof. Sampath Amaratunga, the vice-Chancellor, University of Sri Jayewardenepura
7:35 pm	Cultural Show
7:40 pm	Address by the Chief Guest
7:50 pm	Address by the Guest of Honor
8:00 pm	‘Polymers – The Guilt is Ours!’ Keynote Address by Prof. Ajith de Alwis, University of Moratuwa
8:35 pm	Cultural Show – continuation
8:50 pm	Vote of Thanks by Dr. Ranga Jayakody, Symposium Coordinator, Senior Lecturer, Department of Chemistry, University of Sri Jayewardenepura
9:00 pm	National Anthem
9:05 pm	Dinner
14th July 2017 Golden Rose Hotel, Boralesgamuwa, Sri Lanka	
Theme Seminar 8:00 am – 5:00 pm	
8.00 am	Symposium Registration
8:15 am	Arrival of the Invitees and Guests
8:30 am	Opening Ceremony - Inauguration of Theme Seminar Session by Lighting of Traditional Oil Lamp followed by the University Anthem
8:40 am	Welcome Address by Dr. Ranga Jayakody, Symposium Coordinator, Senior Lecturer, Department of Chemistry, University of Sri Jayewardenepura
8.50 am	‘Advent of Nanotechnology in Smart Fertilizer’ Prof. Nilwala Kottegoda, University of Sri Jayewardenepura, Sri Lanka
9:25 am	‘Going up in Time and Length Scales in Modeling Polymers’ Prof. Gary Grest, Sandia National Laboratory, USA

10:10 am	Tea
10:25 am	'Mechanochemistry: an increasingly versatile approach to new molecules and materials' Prof. William Jones, University of Cambridge, UK
11:10 am	'A Finite Element Analysis and Simulation Tool for Future Challenges' Dr. Sisira Ranathunga, Elastomeric Engineering Pvt Ltd., Sri Lanka
11:45 am	'Dynamics of Polydots: Soft Luminescent Polymeric Nanoparticles' Prof. Dvora Perahia, Clemson University, USA
12:30 pm	Lunch
1:30 pm	'Interfacial Polymer Systems' Prof. Frank Blum, Oklahoma State University, USA
2:15 pm	'Photochemical Approach to OIC's' Dr. Shantha Amarathunga, University of Moratuwa, Sri Lanka
2:50 pm	'Advanced Materials based on Metal Nanoparticle/Polymer Composites - Best of Both Worlds' Prof. Steven Bell, Queen's University, UK
3:35 pm	Panel discussion
4:30 pm	Tea
15th July 2017	
Golden Rose Hotel, Boralesgamuwa, Sri Lanka	
Technical Sessions	
8:00 am – 6:00 pm	
8:00 am	Symposium Registration
8:10 am	Opening Ceremony - Inauguration of Technical Sessions by Lighting of Traditional Oil Lamp followed by the University Anthem
8:20 am	Welcome Address Prof. Pradeep Jayaweera, the vice-President symposium organizing committee and Head/Department of Chemistry, University of Sri Jayewardenepura
8:30 am	'Colloidal Stability and Rheology of Latex Polymer based Formulations' Prof. Raymond Fernando, California Polytechnic State University, USA
9:00 am	Session 1 - Oral Presentations Two parallel sessions on IA – Polymer Science and Technology IB – Advanced Materials
10:15 am	Tea
10:30 am	Session 2 - Oral Presentations Two parallel sessions on IIA – Applications of Polymers IIB – Eco-friendly Polymers
11:45 am	Poster Session
12:30 pm	Closing Ceremony and Awards Ceremony Concluding Remarks by Prof. Pradeep Jayaweera, the Vice President, Symposium Organizing Committee and Head/Department of Chemistry
1:10 pm	Lunch
2:00 pm	Workshop on 'Computations & Simulations: Possibilities, Advantages, and Benefits for Sri Lankan Polymer Industry'
4:10 pm	Tea

**Workshop on 'Computations & Simulations: Possibilities, Advantages, and Benefits
for Sri Lankan Polymer Industry'**
2:00 pm – 6:00 pm

2:00 pm	'Computations & Simulations for better R&D and enhanced wealth generation' Prof. Gary S. Grest, Sandia National Laboratory, USA
2:40 pm	'A Finite Element Analysis and Simulation Tool for Future Challenges' Dr. Sisira Ranathunge, Elastomeric Engineering Pvt Ltd., Sri Lanka
4:10 pm	Tea
4:30 pm	'How polymer atomistic and mesoscale simulations can help in developing polymers with expected quality parameters' Dr. Ritwik Kavathekar, Dassault Systems, India