

**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

and

University of Sri Jayewardenepura, Nugegoda

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	Address by the Chief Guest
7:45 pm	Address by the Guest of Honor
7:55 pm	Keynote Address by Prof. Ajith de Alwis, University of Moratuwa
8:30 pm	Vote of Thanks by Dr. Ranga Jayakody, Symposium Coordinator, Senior Lecturer, Department of Chemistry, University of Sri Jayewardenepura
8.40 pm	National Anthem
8:45 pm	Dinner and Cultural Show
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	‘Smart Nano-materials’ 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	‘Advanced Materials based on Metal Nanoparticle/Polymer Composites - Best of Both Worlds’ Prof. Steven Bell, Queen’s University, 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	'Mechanochemistry: an increasingly versatile approach to new molecules and materials' Prof. William Jones, University of Cambridge, UK
3:35 pm	Panel discussion
4:30 pm	Tea
15th July 2017	
University of Sri Jayewardenepura, Nugegoda, Sri Lanka	
Technical Sessions	
8:00 am – 5:00 pm	
8:00 am	Symposium Registration
8:10 am	Opening Ceremony - Inauguration of Theme Seminar Session by Lightening 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
9:05 am	Session 1 - Oral Presentations Two parallel sessions on (i) polymers and (ii) advanced materials
10:35 am	Tea
10:50 am	Session 2 - Oral Presentations Two parallel sessions on (i) polymers and (ii) advanced materials
12:30 pm	Lunch
1:30 – 3:30 pm	(i) Poster session and (ii) Workshop on 'Computations & Simulations: Possibilities, Advantages, and Benefits for Sri Lankan Polymer Industry'
3:45 pm	Closing Ceremony and Awards Ceremony Concluding Remarks by Prof. Pradeep Jayaweera, the Vice President, Symposium Organizing Committee and Head/Department of Chemistry
4:30 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