

Session Program

15-19 May 2023



8th Pacific Rim Conference on Rheology

Blends, Composites and Nanocomposites

University of British Columbia, Point Grey Campus, Mathematics & Geography Buildings
1984 Mathematics Rd / 1984 West Mall Vancouver, BC V6T 1Z2 CANADA

Tuesday 16 May

10:30

Blends, Composites and Nanocomposites

Session | **Location:** Geography Building, Room 212, 1984 West Mall Vancouver, BC V6T 1Z2 | **Convener:** Reghan Hill

10:30–10:50

STUDY OF THE STABILITY OF ELECTRICAL AND RHEOLOGICAL PROPERTIES OF ELECTRICALLY CONDUCTIVE COMPOSITES WITH CO-CONTINUOUS MORPHOLOGY

Speaker

Ms Daria Strugova

10:50–11:10

Should we keep choosing nano-sized particles to kinetically stabilize co-continuous blends?

Speaker

Rajas Shah

11:10–11:30

RHEOLOGICAL AND CONDUCTIVE PROPERTIES OF INJECTION- AND COMPRESSION-MOLDED CARBON NANOTUBE POLYMER COMPOSITES

Speaker

Lidija Slemenik Perše

11:30–12:10

No talk scheduled

12:10

14:00

Blends, Composites and Nanocomposites

Session | **Location:** Mathematics Building, Room 203, 1984 Mathematics Rd Vancouver, BC V6T 1Z2 | **Convener:** Denis Rodrigue

14:00–14:20

Formulating adhesives with aminated polyolefins for low surface energy substrate

Speaker

Ziyue Zhang

14:20–14:40

CONFORMATIONAL RELAXATION OF STYRENE-BUTADIENE RUBBERS HAVING A DIFFERENT MICROSTRUCTURE BUT THE SAME COMPOSITION AT HYDROPHILIC AND HYDROPHOBIC INTERFACE

Speaker

Mr Hidenobu Taneda

14:40–15:00

SHAPE MEMORY AND MECHANO-RHEOLOGICAL PROPERTIES OF AMINE CONTAINING POLYETHYLENE/POLYCAPROLACTONE BLEND

Speaker

Jan Gustowski

15:00–15:20

Rheological Evaluation of Polyhydroxyalkanoates (PHAs) through Constitutive Equation Modelling**Speaker**

Ehsan Behzadfar

15:20–15:40

Development of Biodegradable and Antiviral Surgical Face Masks from Poly(lactic acid) and Poly(dimethyl siloxane)-based Polyhydroxyurethanes**Speaker**

Dr Georges Younes

15:40

16:10

Blends, Composites and Nanocomposites**Session** | **Location:** Mathematics Building, Room 203, 1984 Mathematics Rd Vancouver, BC V6T 1Z2 |**Convener:** Savvas Hatzikiriakos

16:10–16:30

RHEOLOGY OF BIOCOMPOSITES**Speaker**

Denis Rodrigue

16:30–16:50

How morphological and rheological properties of PLA/MWCNT nanocomposites are affected by molecular weight, stereo configuration of PLA, and processing**Speaker**

Prof. Pierre Carreau

16:50–17:10

Compatibilized polylactide/polyamide 11 (PLA/PA11) blends containing multiwall carbon nanotubes: morphology, rheology, electrical and mechanical properties**Speaker**

Ms Zeinab Mousavi

17:10–17:30

WHY IS THE PYANE EFFECT MISSING HIGHER HARMONICS?**Speaker**

Prof. Xiaorong Wang

17:30–17:50

EFFECT OF INORGANIC FILLER ON RHEOLOGICAL PROPERTIES AND MORPHOLOGY OF POLYLACTIC ACID(PLA)/LOW-DENSITY POLYETHYLENE(LDPE) BLENDS**Speaker**

Min Chan Kim

17:50

Wednesday 17 May

10:30

Blends, Composites and Nanocomposites

Session | **Location:** Geography Building, Room 212, 1984 West Mall Vancouver, BC V6T 1Z2 | **Convener:** Xiaorong Wang

10:30-11:10

KEYNOTE: Role of network compressibility on the complex conductivity of structured polyelectrolyte hydrogels

Speaker

Reghan Hill

11:10-11:30

ULTRASOUND EFFECT ON DISPERSION AND DISTRIBUTION OF GRAPHITIC MATERIALS INSIDE DIFFERENT PDMS

Speaker

Nicole Demarquette

11:30-11:50

FLUID COMPOSITES AS ALTERNATIVES TO SOLID ELECTRICAL COMPONENTS

Speaker

Dr Lola Gonzalez-Garcia

11:50-12:10

THE RHEOLOGICAL PROPERTIES OF HOT MELT ADHESIVES DOPED WITH CARBON NANOTUBES

Speaker

Dr Paulina Latko-Durałek

12:10