

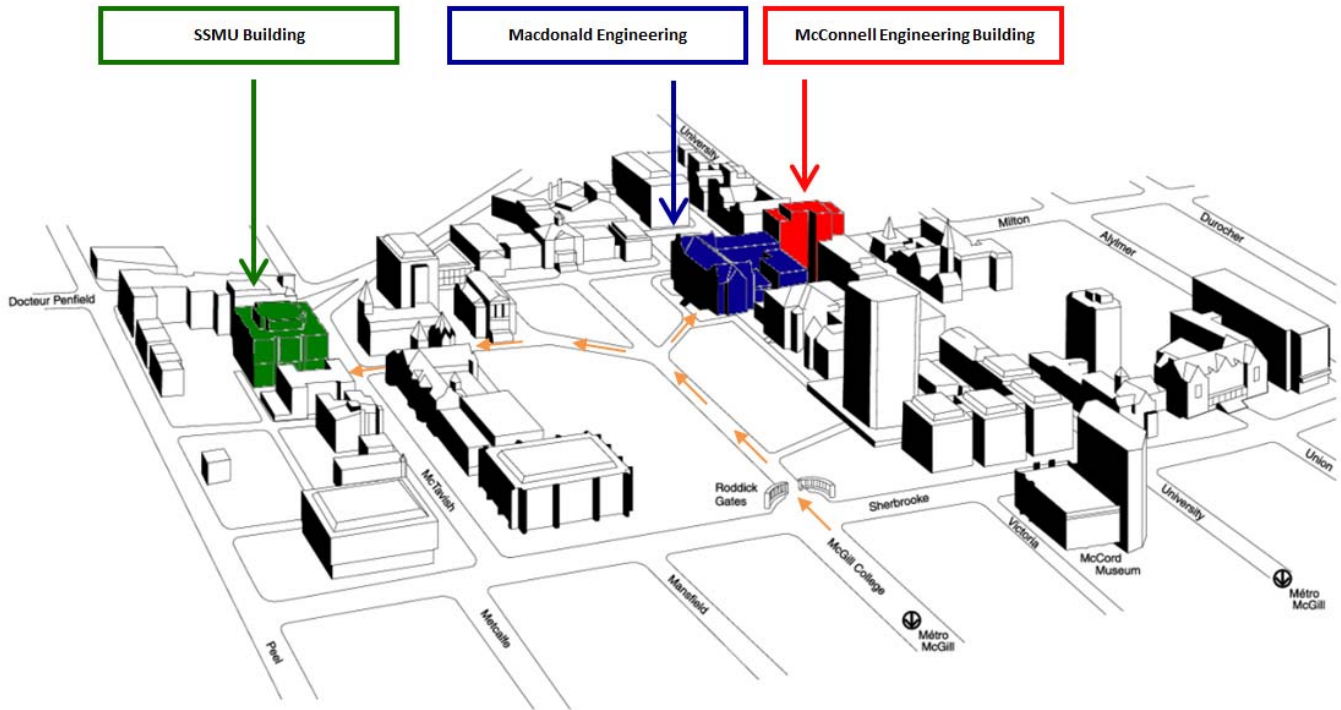
4th Canadian Conference on Nonlinear Solid Mechanics (CanCNSM2013)

MINI - SYMPOSIA

MINISYMPOSIA	ORGANIZERS
Creep and Thermo-Mechanical Fatigue	J.Boyle (University of Strathclyde, UK) D. Breslavsky (Kharkov Polytechnical Institute, Ukraine) K. Naumenko (Otto von Guericke University ,Magdeburg, Germany)
Dynamics and Control of MEMS and NEMS	D.Caruntu (University of Texas Pan-American, USA) M.Amabili (McGill University, Canada) B.I.Epureanu (University of Michigan, USA)
Hyperbolic Models and Theories in Nonlinear Solid Mechanics	Y. N. Radayev (Russian Academy of Science, Moscow, Russia)
Material Nonlinearities and their Effects	E. Sancaktar (University of Akron, USA)
Mechanics of Granular Media	A.Vakakis (University of Illinois, Urbana-Champaign, USA)
Mechanics of Multibody Systems	J. Kovacsics (McGill University, Canada) J.Angeles (McGill University, Canada)
Microstructural Effects on Mechanical Properties of Materials	S. Vedantam (Indian Institute of Technology, Madras, India)
Modeling and Simulation of Nanostructured Materials	L. Y. Jiang (University of Western Ontario, Canada)
Nonlinear Dynamics of Discrete and Continuous Systems	M.Amabili (McGill University, Canada) D.Caruntu (University of Texas Pan-American, USA) B.I.Epureanu (University of Michigan, USA) E. Esmailzadeh (University of Ontario Institute of Technology, Canada) D. Younesian (Iran University of Science and Technology, Iran)
Nonlinear Elasticity	D.Steigmann (University of California at Berkley, USA) F. dell Isola (Università di Roma "La Sapienza", Roma, Italy)
Nonlinear Mechanics of Composites	C. Pinna (University of Sheffield, UK) C. Soutis (University of Manchester, UK)
Nonlinear Mechanics of Healthy and Pathological Biological Tissues	R.Mongrain (McGill University, Canada) R.L.Leask (McGill University, Canada) L. Mongeau (McGill University, Canada)
Non-linear Mechanics of Multifunctional Micro-Architected Materials	D. Pasini (McGill University, Canada)
Nonlinear Phenomena in Tissue growth and Bio-Mechanics	Angela Madeo (Université de Lyon,France) Tomasz Lekszycki (Warsaw University of Technology, Poland)
Nonlinear Stability Analysis	H.A.Mang (Institute of Mechanics of Materials and Structures, Austria) Y.B.Yang (National University of Taiwan, Taiwan)
Non-smooth Vibrations in Structural Dynamics	M.Legrand (McGill University, Canada), A. Shukla (Miami University, USA)
One dimensional models of beams, cables and beam-like structures	A. Luongo (University dell'Aquila, Italy)
Plasticity and Damage: Experimental and Numerical Simulations	F. Marotti de Sciarra (Università di Napoli Federico II, Italy)
Singularities in the Mechanics of Solids	D.Bigoni (University of Trento, Italy) R.Fosdick (University of Minnesota, USA) G.Royer-Carfagni (University of Parma, Italy)
Soft Tissue Growth and Remodeling	G. Holzapfel (Graz University of Technology, Austria) L. Taber (Washington University in St. Louis , USA) J. Humphrey (Yale University, USA)
Stability and Vibrations of Plates and Shells	E.Jansen (University of Hannover, Germany) M. Amabili (McGill University, Canada)
Uncertainty Quantification in Solid Mechanics	A.Sarkar (Carleton University, Canada)
Regular session on NSM	Includes papers on: Optimization Using Nonlinear Phenomena Nonlinear Material Characterization using Inverse Simulation Methods Multiphysical Computational Geomechanics Advanced Numerical Techniques

4th Canadian Conference on Nonlinear Solid Mechanics (CanCNSM2013)

MAPS

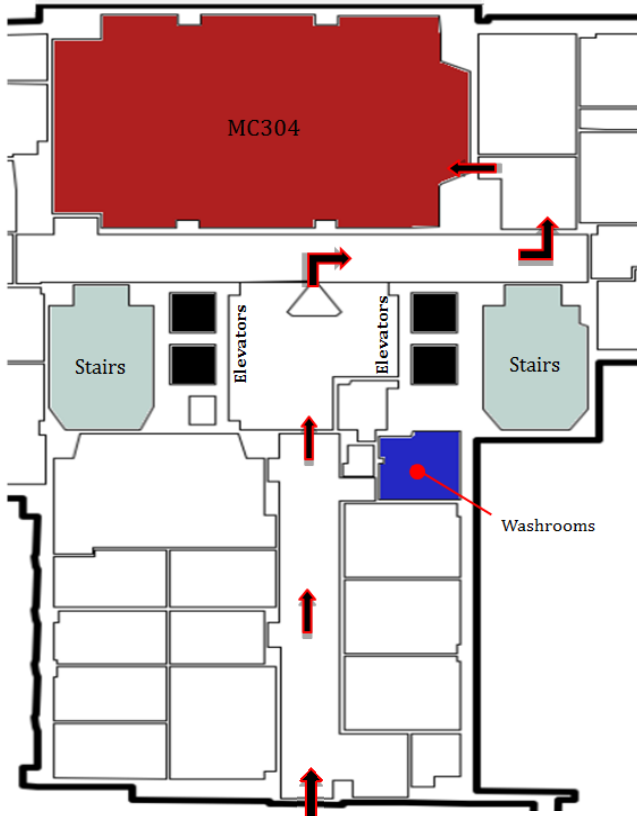


McGill University (Downtown Campus):

845 Sherbrooke Street West, Montreal, Quebec, Canada H3A 0G4

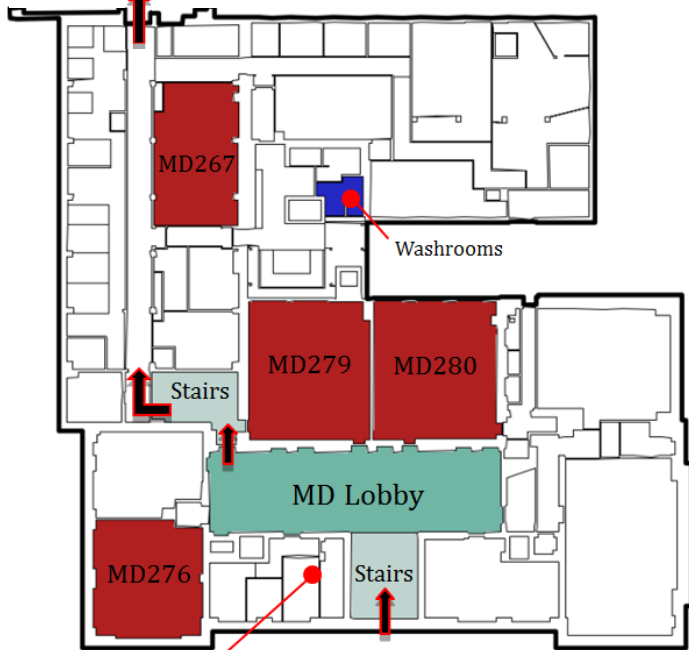
FLOOR MAPS

McConnell Engineering Building
2nd Floor



Entrance to McConnell Engineering Building

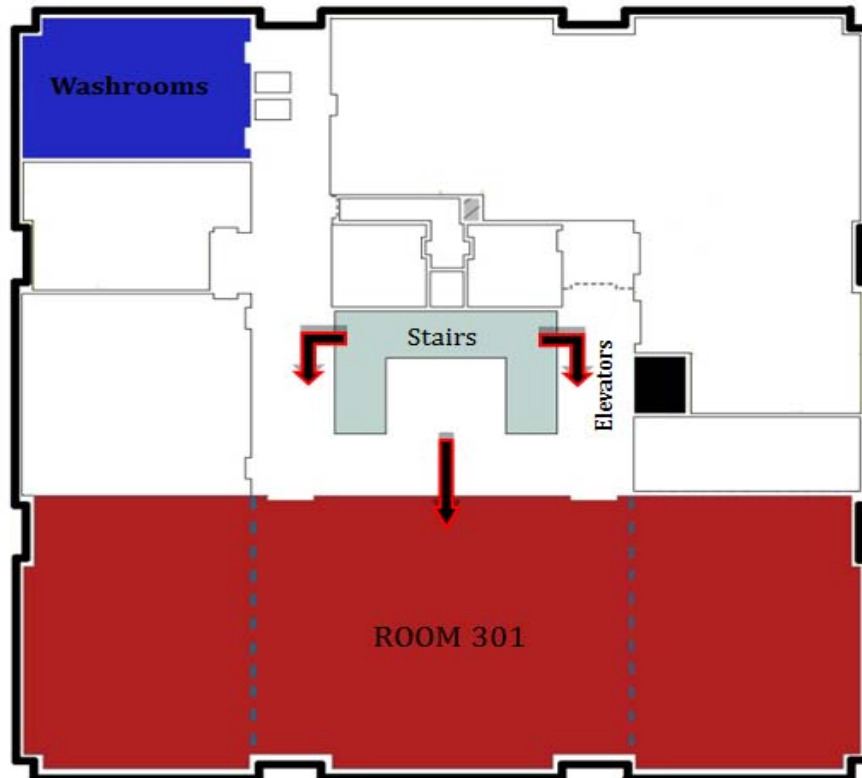
Macdonald Engineering Building
2nd Floor



Washrooms on the lower floor

Entrance to Macdonald Engineering Building

Students' Society of McGill University (SSMU) Building
3rd Floor



4th Canadian Conference on Nonlinear Solid Mechanics (CanCNSM2013)

PROGRAM AT A GLANCE

Registration (MacDonald Engineering Building Hall-MD Lobby)

Tuesday, July 23rd	8:30-11:30 & 14:00-15:30
Wednesday, July 24th	8:30-11:30 & 14:00-15:30
Thursday, July 25th	8:30-11:30 & 14:00-15:30

Tuesday July 23rd, 2013				
09:30-10:00	Opening Ceremony (SSMU Building, 3rd floor, Room 301)			
10:00-11:00	Plenary Lecture (SSMU Building, 3rd floor, Room 301): Professor Pol Spanos <i>Local versus Non-Local analysis of Dynamic Phenomena via Wavelets and Fractional Derivatives</i>			
11:00-11:20	Coffee Break (SSMU Building, 3rd floor, Room 301)			
	MD267	MD276	MD279	MD280
11:30-12:50	Creep and Thermo-Mechanical Fatigue I (4x20 mins)	Nonlinear Mechanics of Healthy and Pathological Biological Tissues I (4x20 mins)	Nonlinear Elasticity I (4x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems I (4x20 mins)
14:10-15:30	Creep and Thermo-Mechanical Fatigue II (4x20 mins)	Nonlinear Mechanics of Healthy and Pathological Biological Tissues II (4x20 mins)	Nonlinear Elasticity II (4x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems II (4x20 mins)
15:35-16:55	Plasticity and Damage: Experimental and Numerical Simulations I (4x20 mins)	Nonlinear Mechanics of Healthy and Pathological Biological Tissues III (4x20 mins)	Nonlinear Elasticity III (4x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems III (4x20 mins)
17:00-17:15	Coffee Break (SSMU Building, 3rd floor, Room 301)			
17:15-18:15	Plenary Lecture (SSMU Building, 3rd floor, Room 301): Professor J.N.Reddy <i>On Rotation Gradient Dependent Elasticity and Specialization to Beams and Plates with Moderate Rotation</i>			
18:15-20:30	Buffet (SSMU Building, 3rd floor)			

Wednesday July 24th, 2013					
	MD267	MD276	MD279	MD280	MC304
08:30-09:50	Nonlinear Mechanics of Composites I (1x40+2x20 mins)	Soft Tissue Growth and Remodeling I (4x20 mins)	Nonlinear Elasticity IV (4x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems IV (4x20 mins)	Non-linear Mechanics of Multifunctional Micro-Architected Materials I (4x20 mins)
09:50-10:10	Coffee Break (MD Lobby)				
10:10-11:10	Plenary Lecture (Room MC304): Professor Alexander F. Vakakis <i>Strongly Nonlinear Dynamics of Ordered Granular Media</i>				
	MD267	MD276	MD279	MD280	MC304
11:20-12:40	Nonlinear Mechanics of Composites II (4x20 mins)	Nonlinear Phenomena in Tissue growth and Bio-Mechanics I (4x20 mins)	Nonlinear Elasticity V (2x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems V (4x20 mins)	Non-linear Mechanics of Multifunctional Micro-Architected Materials II (2x20 mins)
			Singularities in the Mechanics of Solids I (2x20 mins)		Mechanics of Granular Media I (2x20 mins)
14:10-15:30	Nonlinear Mechanics of Composites III (4x20 mins)	Nonlinear Phenomena in Tissue growth and Bio-Mechanics II (4x20 mins)	Singularities in the Mechanics of Solids II (4x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems VI (4x20 mins)	Mechanics of Granular Media II (3x20 mins)
15:30-15:45	Coffee Break (MD Lobby)				
15:45-16:45	Plenary Lecture (Room MC304): Professor Gerhard Holzapfel <i>Structurally-based Modeling of Nonlinear Solids with Applications to Cardiovascular Tissues</i>				
17:00-20:00	City tour (Meeting at the end of the plenary lecture)				

4th Canadian Conference on Nonlinear Solid Mechanics (CanCNSM2013)

PROGRAM AT A GLANCE

Thursday July 25th, 2013					
	MD267	MD276	MD279	MD280	MC304
08:30-09:50	Regular session on NSM I (4x20 mins)	Nonlinear Phenomena in Tissue growth and Bio-Mechanics III (3x20 mins)	Singularities in the Mechanics of Solids III (3x20 mins)	Nonlinear Dynamics of Discrete and Continuous Systems VII (3x20 mins) Stability and Vibrations of Plates and Shells I (1x20 mins)	Modeling and Simulation of Nanostructured Materials I (4x20 mins)
09:50-10:10	Coffee Break (MD Lobby)				
10:10-11:10	Plenary Lecture (Room MC304): Professor Alan Wineman <i>Chemo-Rheological Changes in Elastomers: Implications for Mechanical Response</i>				
	MD267	MD276	MD279	MD280	MC304
11:20-13:00	One dimensional models of beams, cables and beam-like structures I (5x20 mins)		Mechanics of Multibody Systems I (5x20 mins)	Stability and Vibrations of Plates and Shells II (5x20 mins)	Modeling and Simulation of Nanostructured Materials II (3x20 mins)
14:10-15:30	One dimensional models of beams, cables and beam-like structures II (4x20 mins)	Non-smooth Vibrations in Structural Dynamics I (4x20 mins)	Mechanics of Multibody Systems II (5x20 mins)	Stability and Vibrations of Plates and Shells III (5x20 mins)	
15:35-16:55	Nonlinear Stability Analysis I (4x20 mins)	Non-smooth Vibrations in Structural Dynamics II (3x20 mins)	Microstructural Effects on Mechanical Properties of Materials I (3x20 mins)	Dynamics and Control of MEMS and NEMS I (3x20 mins)	
16:55-17:15	Coffee Break (MD Lobby)				
17:15-18:15	Plenary Lecture (Room MC304): Professor Angelo Luongo <i>On the Use of the Multiple Scales Method in Solving Difficult Bifurcation Problems</i>				
18:30-21:30	Banquet & Awards (Meeting at the end of the plenary lecture)				

Friday July 26th, 2013			
	MD267	MD279	MD280
09:00-10:20	Nonlinear Stability Analysis II (3x20 mins)	Uncertainty Quantification in Solid Mechanics I (4x20 mins)	Hyperbolic Models and Theories in Nonlinear Solid Mechanics I (3x20 mins)
10:20-10:40	Coffee Break (MD Lobby)		
10:40-12:20	One dimensional models of beams, cables and beam-like structures III (5x20 mins)	Material Nonlinearities and their Effects I (5x20 mins)	Regular session on NSM II (5x20 mins)