

CIMPA SCHOOL SCHEDULE

		5-déc	12-déc			
M o n d a y	9h-10h	<i>Opening ceremony: address and launching of the school by Her Excellency Mrs Aimeenah Gurb-Fakim, President of the Republic of Mauritius.</i>	<i>Welcome session</i>	M o n d a y		
	10h15-11h45	Gabriel (mini-course) "Renewal equations and age structured models"	Dumas (mini-course) Optimization and uncertainty quantification of 1D arterial models"			
	14h-14h50	Hubert "Mathematic models of dynamical instabilities of Microtubules".	Milisik "Mathematical modelling of cell adhesion forces from delay to friction, from global to local existence"			
	15h-15h50	Perasso: "An introduction to the basic reproductive number in mathematical epidemiology"	Blouza : "Modeling, analysis and numerical simulation of biofilms growth"			
	16h-16h50	Naeck/Ginoux "Sleep fragmentation diagnosis modeling and sleep apnea detection"	El Alaoui "Modeling of the quorum-sensing in a bacterial biofilm"			
T u e s d a y	6-déc		13-déc		T u e s d a y	
	8h30-10h	Dauhoo (mini-course) "On the evolution of illicit consumption of drugs in a given population"	Dumas (mini-course) Optimization and uncertainty quantification of 1D arterial models"			
	10h15-11h45	Doumic (mini-course) "Direct and inverse problems in population dynamics"	Decoene (mini-course) "Modeling and simulation of biologically active suspensions"			
	14h-14h50	Mirrahimi « A Hamilton-Jacobi approach to describe the evolutionary equilibria in heterogeneous environments »	Quarteroni "Some Recent Advances on the Mathematical and Numerical Modeling of the Cardiovascular System"			
	15h-15h50	Van Brunt "On a simple model for size-structured asymmetric cell division."	Lucor: Applications of uncertainty quantification in hemodynamics"			
W e d n e s d a y	16h-16h50	Tournus "Estimating the division rate and kernel in the fragmentation equation. Application to amyloid fibrils."	Raout: "Hierarchical modelling of prestrained thin materials"	IFM		
	7-déc		14-déc			
	8h30-10h	Gabriel (mini course) "Renewal equations and age structured models"	Decoene (mini-course) "Modeling and simulation of biologically active suspensions"			
	10h15-11h45	Dauhoo (mini-course) "On the evolution of illicit consumption of drugs in a given population"	Bertoglio (mini-course, video conf.) "Direct and inverse models of the cardiovascular system"			
		<i>Social event</i>	<i>Social event</i>			
T h u r s d a y	8-déc		15-déc		T h u r s d a y	
	8h30-10h	Gabriel (mini course) "Renewal equations and age structured models"	Dumas (mini-course) Optimization and uncertainty quantification of 1D arterial models"			
	10h15-11h45	Doumic (mini-course) "Direct and inverse problems in population dynamics"	Bertoglio (mini-course, video conf.) "Direct and inverse models of the cardiovascular system"			
	14h-14h50	Berry : "Quantitative convergence towards a self-similar profile in an age-structured renewal equation for subdiffusion"	Mauroy "Modeling of mucus draining from the lungs"			
	15h-15h50	Lepoutre : "Quantitative convergence towards a self-similar profile in an age-structured renewal equation for subdiffusion"	Meunier "Cell crawling modelisation "			
IFM	16h-16h50	Vigneaux: "SAEM methods for statistical PDE parameters estimation and application to biology"	Thiriet : "Input data for computational models of blood flows"			
	9-déc		16-déc		F r i d a y	
F r i d a y	8h30-10h	Dauhoo (mini-course) "On the evolution of illicit consumption of drugs in a given population"	Decoene (mini-course) "Modeling and simulation of biologically active suspensions"			
	10h15-11h45	Doumic (mini-course) "Direct and inverse problems in population dynamics"	Bertoglio (mini-course, video conf.) "Direct and inverse models of the cardiovascular system"			
	14h-14h50	Bouin: "Propagation in structured models from biology"				
IFM	18h-19h	Gatinel/Dumas (large audience conference) "Comment les mathématiques peuvent venir en aide à la médecine"	Dauhoo (large audience conference) "L'évolution dynamique de la consommation de drogues illicites dans une société donnée"			