Chair : Arnaud Ducrot	session - code	LASTNAME	FIRSTNAME	Titre
Monday June 16 2PM – 3PM Chair : Jacques Demongeot	PLEANRY-1	Demongeot	Jacques	Forecasting epidemic peaks with index of dispersion of new cases.
Monday PM	A1-1	Не	Daihai	The 1978 English boarding school influenza outbreak: where the classic SEIR model fails
16/06	A1-2	Seydi	Ousmane	On invasion threshold for structured population models
Chair : David Manceau				
Monday PM 16/06	B1-1	Kang	Нао	On the principal eigenvalue of an age-structured operator with diffusion and advection
	B1-2	Khalil	Kamal	Invariant sets under semiflows via a LieTrotter product formula for Semilinear evolution equations
Monday PM 16/06	C1-1 C1-2			
Chair : Alain Miranville Tuesday June 17 9 AM – 10 AM Chair : Quentin Griette	PLENARY-2	Wu	Jianhong	Coupling behavioural adaptation and infestation/transmission Dynamics through risk-structured models.
Tuesday AM 17/06	A2-1	Chatziafratis	Andreas	Higher-order diffusion and Cahn–Hilliard-type models revisited on the half-line
	A2-2			
Chair : Hao Kang				
Tuesday AM 17/06	B2-1	Thorel	Alexandre	Analytic semigroup generated by the dispersal process of a sylvatic Transmission model of Chagas disease
	B2-2	Lahbiri	Fatima Zahra	Stochastic Evolution Equations with Almost Sectorial Operators and White Noise: An Integrated Semigroup Approach
				Operators and write Noise. An integrated Semigroup Approach

Chair : Pierre Gabriel				
Tuesday AM	C2-1	Milisic	Vuk	Self-Interacting diffusions with aging
17/06	C2-2	Moussaoui	Ali	On the date of the epidemic peak
Chair : Luca Gerardo				
Tuesday June 17 1:30 PM – 2:30 PM	PLENARY-3	Ducrot	Arnaud	Periodic wave train for the Gurtin-MacCamy Equation
Chair : Gaël Raoul				
	A3-1	Gabriel	Pierre	Large scale asymptotics for subdiffusive motion
Tuesday PM 17/06	A3-2	Zhang	Zhengyang	Application of an age-structured model to anchovy population in the Yellow Sea: Effects of fishing moratorium and selective fishing
	A3-3	Fostier	Louis	Long-time behavior of quasilinear size-structured population models with separable growth rate
Chair : David Manceau				
Tuesday PM	B3-1	Huang	Chengming	Highly accurate numerical methods for Volterra integral equations with weakly singular solutions
17/06	B3-2	Vaginay	Athénaïs	Abstract simulation of ODEs Adaptation in shifting and size-changing environments under
	B3-3	Dhaouadi	Nessim	selection
Tuesday PM	C3-1			
17/06	C3-2			
	C3-3			
Chair : Jianhong Wu				
Wednesday June 18 9 AM – 10 AM	PLENARY-4	Han	Maggie	A random age-structured population model.
Chair : Ousmane Seydi				
Wednesday AM	A4-1	Adimy	Mostafa	Multi-serotype nested immuno-epidemiological model for dengue hemorrhagic fever involving backward bifurcation and Serotype invasion
18/06	A4-2	Córdova-Lepe	Fernando	From a new concept of infection force towards a contagion's Mechanical theory

Mednesday AM 18/06   B4-2   Kakumani   Bhargav Kumar   Partial Immunity in Humans and Temperature-Dependent Incubation Professor   Partial Immunity in Humans and Temperature-Dependent Incubation Professor   P	Chair : Valentina Lanza				
Chair : Kamal Khalil  Wednesday AM 18/06 C4-2 Fakih Laurance Modeling the Impact of Misinformation Dynamics on Antimicrobial Resistance: A Multi-Strain Approach with Time Delays  Chair : Raluca Eftimie Thursday June 19 9 AM – 10 AM Chair : Quentin Griette  Thursday AM 19/06 A5-2 El Hajj Wissam Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Aliain Miranville Thursday AM 19/06 Chair : Aliain Moussaoui  Thursday AM 19/06 C5-2 Halder Joydev Afort Impact of Misinformation Dynamics on Antimicrobial Resistance: A Multi-Strain Approach with Time Delays  Modeling the Impact of Misinformation Dynamics on Antimicrobial Resistance: A Multi-Strain Approach with Time Delays  Modeling the Impact of Misinformation Dynamics on Antimicrobial Resistance: A Multi-Strain Approach with Time Delays  Patient-specific simulation in support of cardiovascular intervention.  Distribution of heterogeneous steady states and long time behavior for a reaction-diffusion forest growth model Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Alain Miranville Thursday AM 19/06 C5-2 Deng Qi Modeling the Interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microemivonment  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A fourth order numerical scheme for an age-structured population model with infinite life span  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan  Thursday PM 19/06 A6-2 Lin Genghong  Stability and bifurcation for state-dependent delay differential Equations sirising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent coefficient.		B4-1	Ibrahim	Mahmoud A.	· · · · · · · · · · · · · · · · · · ·
Wednesday AM 18/06         C4-1         Nali         Ibrahim         Exploring the Allee Effect in a Within-Host Bacterial Infection Model Infection Model In 18/06           Chair : Raluca Eftimie Thursday June 19 9 AM – 10 AM         PLENARY-5         Gerardo-Giorda         Luca         Patient-specific simulation in support of cardiovascular intervention.           Chair : Quentin Griette         Thursday AM 19/06         A5-1         Cantin         Guillaume         Distribution of heterogeneous steady states and long time behavior for a reaction-diffusion forest growth model           Chair : Alain Miranville Thursday AM 19/06         B5-1         SUN         QIWEN         Tumor cell dynamics in oncolytic virotherapy           Chair : Ali Moussaoui         B5-2         Deng         Qi         Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment           Chair : Mostafa Adimy         C5-1         Assan         Belthasara         A COVID-19 epidemic model with periodicity in transmission and environmental dynamics           Chair : Mostafa Adimy         A6-1         HBID         Moulay Lhassan         Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics           Thursday PM 19/06         A6-2         Lin         Genghong         Stability and bifurcation and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent coefficient.		B4-2	Kakumani	Bhargav Kumar	
Chair : Raluca Effinie Thursday June 19 9 AM – 10 AM Chair : Quentin Griette  Thursday AM 19/06 A5-2 El Hajj Wissam 19/06 Chair : Aliain Miranville Thursday AM 19/06 Chair : Aliain Miranville Thursday AM 19/06 A5-2 Deng Qi Tumor cell dynamics in oncolytic virotherapy Modeling the Impact of Misinformation Dynamics on Antimicrobial Resistance: A Multi-Strain Approach with Time Delays  Modeling the Impact of Misinformation Dynamics on Antimicrobial Resistance: A Multi-Strain Approach with Time Delays  Patient-specific simulation in support of cardiovascular intervention.  Distribution of heterogeneous steady states and long time behavior for a reaction-diffusion forest growth model Regimes and mechanisms of inflammation described by reaction-diffusion systems  Tumor cell dynamics in oncolytic virotherapy Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  Chair : Ali Moussaoui  Thursday AM 19/06 C5-1 Assan Belthasara A COVID-19 epidemic model with periodicity in transmission and environmental dynamics C5-2 Halder Joydev Afourth order numerical scheme for an age-structured population model with infinite life span  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent, coefficients.	Chair : Kamal Khalil				
Chair : Raluca Effimie Thursday June 19 9 AM – 10 AM Chair : Quentin Griette  Thursday AM 19/06  Chair : Alain Miranville Thursday AM 19/06  Chair : Ali Moussaoui  Thursday AM 19/06  Chair : Ali Moussaoui  Thursday AM 19/06  Thursday AM 19/06  Chair : Ali Moussaoui  Thursday AM 19/06  Thursday AM 19/06  Chair : Ali Moussaoui  Thursday AM 19/06  Chair : Mostafa Adimy  Thursday AM 19/06  Chair : Mostafa Adimy  A6-1  HBID  Moulay Lhassan  Resistance: A Multi-Strain Approach with Time Delays  Patient-specific simulation in support of cardiovascular intervention.  Distribution of heterogeneous steady states and long time behavior for a reaction-diffusion forest growth model  Regimes and mechanisms of inflammation described by reaction-diffusion systems  Tumor cell dynamics in oncolytic virotherapy Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent coefficients of distributed delay differential	Wednesday AM	C4-1	Nali	Ibrahim	Exploring the Allee Effect in a Within-Host Bacterial Infection Model
Thursday June 19 9 AM – 10 AM  Chair : Quentin Griette  Thursday AM 19/06 A5-2 El Hajj Wissam Distribution of heterogeneous steady states and long time behavior for a reaction-diffusion forest growth model Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Alain Miranville Thursday AM 19/06 B5-2 Deng Qi Thursday AM 19/06 B5-2 Deng Qi Thursday AM 19/06 C5-1 Assan Belthasara A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  Chair : Mostafa Adimy  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan Fengines and mechanisms of inflammation described by reaction-diffusion systems  Covidence of the control of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A fourth order numerical scheme for an age-structured population model with infinite life span  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan Genghong Genghong Genghong Gillaume Distribution of heterogeneous steady states and long time behavior for a reaction-diffusion forest growth model Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Alain Miranville  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A fourth order numerical scheme for an age-structured population model with infinite life span  Stability and bifurcation for state-dependent delay differential Equations with bistable nonlinearity and Delay-dependent coefficients  Basins of attraction and paired equations with bistable nonlinearity and Delay-dependent coefficients		C4-2	Fakih	Laurance	
Chair : Quentin Griette  Thursday AM 19/06 A5-2 El Hajj Wissam Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Alain Miranville Thursday AM 19/06 B5-2 Deng Qi WEN Tumor cell dynamics in oncolytic virotherapy Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  Chair : Ali Moussaoui Thursday AM 19/06 C5-1 Assan Belthasara A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent coefficient.	Chair : Raluca Eftimie				
Thursday AM 19/06 A5-2 El Hajj Wissam Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Alain Miranville Thursday AM 19/06 B5-1 SUN QIWEN Tumor cell dynamics in oncolytic virotherapy Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  Chair : Ali Moussaoui Thursday AM 19/06 C5-1 Assan Belthasara A COVID-19 epidemic model with periodicity in transmission and environmental dynamics Cf-2 Halder Joydev A6-1 HBID Moulay Lhassan Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent cepfficient.  Cantin  Regimes and mechanisms of inflammation described by reaction-diffusion for a reaction-diffusion for a reaction-diffusion for a reaction-diffusion for states and long time behavior for a reaction-diffusion forest growth model  Regimes and mechanisms of inflammation described by reaction-diffusion systems  Tumor cell dynamics in oncolytic virotherapy  Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A fourth order numerical scheme for an age-structured population model with infinite life span  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan Stability and bifurcation for state-dependent delay differential Equations with bistable nonlinearity and Delay-dependent cepfficient.  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent cepfficient.		PLENARY-5	Gerardo-Giorda	Luca	Patient-specific simulation in support of cardiovascular intervention.
Thursday AM 19/06  A5-2  EI Hajj  Wissam  Regimes and mechanisms of inflammation described by reaction-diffusion systems  Chair : Alain Miranville  Thursday AM 19/06  B5-1  SUN QIWEN  Tumor cell dynamics in oncolytic virotherapy Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  Chair : Ali Moussaoui  Thursday AM 19/06  C5-1  Assan Belthasara A COVID-19 epidemic model with periodicity in transmission and environmental dynamics A fourth order numerical scheme for an age-structured population model with infinite life span  Chair : Mostafa Adimy  A6-1  HBID  Moulay Lhassan Furusday PM 19/06  A6-2  Lin  Genghong  Genghong  Genghong  Furusday PM 19/06  A5-2  Lin  Genghong  Furusday PM 19/06  A6-2  Lin  Genghong  Furusday PM 19/06  A6-2  Figure a reaction-diffusion forest growth model Regimes and mechanisms of inflammation described by reaction-diffusion systems  Regimes and mechanisms of inflammation described by reaction-diffusion systems  Regimes and mechanisms of inflammation described by reaction-diffusion systems  Regimes and mechanisms of inflammation described by reaction-diffusion systems  Tumor cell dynamics in oncolytic virotherapy  Modeling the interaction of cytotoxic T-lymphocytes and oncolytic viruses in a tumor microenvironment  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A fourth order numerical scheme for an age-structured population model with infinite life span  Ctair: Mostafa Adimy  A C5-1  A SSAN  A COVID-19 epidemic model with periodicity in transmission and environmental dynamics  A fourth order numerical scheme for an age-structured population model with infinite life span	Chair : Quentin Griette				
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Thursday AM 19/06 C5-2 Halder Joydev A fourth order numerical scheme for an age-structured population model with infinite life span  Chair: Mostafa Adimy  A6-1 HBID Moulay Lhassan Thursday PM 19/06 A6-2 Lin Genghong A COVID-19 epidemic model with periodicity in transmission and environmental dynamics A fourth order numerical scheme for an age-structured population model with infinite life span  Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent coefficient Delay-dependent coefficient Delay-dependent coefficient		B5-2	Deng	Qi	
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C5-2 Halder Joydev model with infinite life span  Chair : Mostafa Adimy  A6-1 HBID Moulay Lhassan  Thursday PM 19/06 A6-2 Lin Genghong  Genghong  Genghong  Thursday PM C5-2 Halder Joydev model with infinite life span  Moulay Lhassan  Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay-dependent celess of distributed delay differential		C5-1	Assan	Belthasara	
A6-1 HBID Moulay Lhassan  Thursday PM 19/06 A6-2 Lin Genghong  Genghong  Moulay Lhassan  Moulay Lhassan  Stability and bifurcation for state-dependent delay differential Equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay differential equations of distributed delay differential equations expected the equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations expected the equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay differential equations with bistable nonlinearity and Delay differential equations expected the equation expected		C5-2	Halder	Joydev	
Thursday PM  19/06  A6-2  Lin  Genghong  Genghong  Genghong  Equations arising from cellular dynamics  Basins of attraction and paired Hopf bifurcations for delay  differential equations with bistable nonlinearity and  Delaydependent of the class of distributed delay differential	Chair : Mostafa Adimy				
19/06 A6-2 Lin Genghong differential equations with bistable nonlinearity and  Delay-dependent coefficient Period-two solution for a class of distributed delay differential		A6-1	HBID	Moulay Lhassan	
Period-two solution for a class of distributed delay differential		A6-2	Lin	Genghong	differential equations with bistable nonlinearity and
A6-3 Nakata Yukiniko equations  Chair : Guillaume Cantin	Chair : Guillaume Cantin	A6-3	Nakata	Yukihiko	

Thursday PM 19/06	B6-1	Zhao	Min	Spreading Properties of a City-Road Reaction-diffusion Model on One-Dimensional Lattice
	B6-2	Xue	Yeqing	Stability of Planar Traveling Waves for a Class of Lotka–Volterra Competition Systems with Time Delay and Nonlocal Reaction Term
	B6-3	Li	Hongliang	Spreading speed for a time-periodic vector-borne disease system on a growing domain
Chair : Cyrille Bertelle				
Thursday PM	C6-1	Banerjee	Malay	Effect of parametrization of reaction kinetics on spatiotemporal pattern formation
19/06	C6-2	Balti	Aymen	Mathematical Modeling of Brain Activity Based on Physiological Signals: A Case Study on Emotional Processes
	C6-3	Abba Mahamane	Oumarou	Modèle mathématique du diabète
Chair : Michel Langlais				
Thursday June 19 4:15 PM – 5:15 PM	PLENARY-6	Webb	Glenn	Population Models of Epidemics with Infection Age and Vaccination Age Structure
Chair : Andrea Pugliese				
Friday June 20 9 AM – 10 AM	PLENARY-7	Eftimie	Raluca	Single scale and multi-scale models of viral infections and anti-viral immune responses
Chair : Raluca Eftimie				
Friday AM	A7-1	Pugliese	Andrea	Self-regulation and resource dependent growth rates: a size- structured predator-prey model
20/06	A7-2	Herrera	Franco	Asymptotic behavior of the solutions to the Gurtin-MacCamy's Population model
Chair : David Manceau				
Friday AM	B7-1	Raoul	Gaël	Measure-valued solutions for a structured population with transfers
20/06	B7-2	Burie	Jean-Baptiste	Asymptotic behaviour of an epidemic model in measure space
Friday AM 20/06	C7-1	Nicholas	Opoku	Modelling the human immune response dynamics during progression from Mycobacterium latent infection to disease
	C7-2	Nag	Soumak	Dynamical analysis of a nonlinear age-structured SIS model with individual movement
Chair : Quentin Griette				
Friday June 20 2 PM – 3 PM	PLENARY-8	Ruan	Shigui	The Work of Pierre Magal on Differential Equations, Functional Analysis and Mathematical Biology