

Equa $\frac{di}{dt}$ ff 2015

Lyon, France, July 6–10, 2015

Program

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Day by day program

Overview of the week

Monday	Tuesday	Wednesday
9:00-9:30 Opening	9:00-10:00	9:00-10:00
9:30-10:30 Stuart	De Marco Perthame	Gubinelli Turaev
10:30-11:00 Coffee/tea break	10:00-10:30 Coffee/tea break	10:00-10:30 Coffee/tea break
11:00-12:00 Serfaty	10:30-11:30 Poster session	10:30-12:30 Parallel sessions
12:00-14:00 Lunch break	11:30-12:30 Zaag Gentz	MS 3, 6, 10, 13, 16, 17, 21 CT 18, 19, 20, 21, 29
14:00-16:00 Parallel sessions MS 4, 7, 11, 14, 20, 22, 24, 26 CT 1, 2, 3, 4	12:30-14:00 Lunch break	12:30-14:00 Lunch break
16:00-16:30 Coffee/tea break	14:00-16:00 Parallel sessions MS 4, 6, 11, 16, 18, 19, 23, 25 CT 10, 11, 12, 13	Free time
16:30-18:30 Parallel sessions MS 4, 7, 14, 20, 22, 24, 26 CT 5, 6, 7, 8, 9	16:00-16:30 Coffee/tea break	
16:30-18:30 Parallel sessions MS 6, 7, 10, 16, 18, 19, 23, 25 CT 14, 15, 16, 17	16:30-18:30 Parallel sessions MS 6, 7, 10, 16, 18, 19, 23, 25 CT 14, 15, 16, 17	
Party & picture at 19:30		Social dinner at 20:00

MS = Minisymposium
Session
CT = Contributed
Talks

Thursday	Friday
9:00-10:00 Young	9:00-10:00 Raphaël
10:00-10:30 Coffee/tea break	10:00-10:30 Coffee/tea break
10:30-11:30 Bertozzi	10:30-11:30 Liverani
11:30-12:30 Sverak	11:30-12:30 Masmoudi
12:30-14:00 Lunch break	12:30-14:00 Lunch break
14:00-16:00 Parallel sessions MS 1, 2, 3, 8, 12, 13, 15, 17, 21 CT 22, 23, 24	14:00-16:00 Parallel sessions MS 1, 5, 8, 9, 12, 13 CT 30, 31, 32, 33
16:00-16:30 Coffee/tea break	16:00-16:30 End
16:30-18:30 Parallel sessions MS 2, 5, 9, 12, 13, 15, 17 CT 25, 26, 27, 28	

Monday, July 6

9:00-9:30 Astrée theater - Opening
9:30-10:30 Astrée Theater - Plenary talk - Chair: M. Groves Andrew Stuart Data Assimilation – New Challenges in Random and Stochastic Dynamical Systems
10:30-11:00 Astrée hall - Coffee/tea break
11:00-12:00 Astrée Theater - Plenary talk - Chair: L. Bronsard Sylvia Serfaty Effective models for Ginzburg-Landau vortices
12:00-14:00 CROUS Mensa Lunch break
14:00-16:00 Parallel sessions
Amphi 1 - MS7 - Free Boundary Problems and Related PDEs
Amphi 2 - MS11 - Mathematical Problems of General Relativity
Amphi 3 - MS20 - Statistical Properties of Dynamical Systems
Amphi 4 - MS22 - Stochastic PDEs
Amphi 5 - CT2 - Evans functions
Amphi 7 - MS4 - Delay Differential Equations
Amphi 8 - MS14 - Parabolic Equations in Life Sciences
Amphi 9 - MS24 - Swarming and Collective Behavior: From Theory to Experiment
Amphi 10 - MS26 - Water waves
Amphi 11 - CT1 - Incompressible fluids
Room 58 - CT3 - Minimizers in elliptic theory
Room 69 - CT4 - ODEs and applications
16:00-16:30 Coffee/tea break
16:30-18:30 Parallel sessions
Amphi 1 - MS7 - Free Boundary Problems and Related PDEs
Amphi 2 - CT5 - Compressible Navier-Stokes equations
Amphi 3 - MS20 - Statistical Properties of Dynamical Systems
Amphi 4 - MS22 - Stochastic PDEs
Amphi 5 - CT7 - Nodal solutions in elliptic equations
Amphi 7 - MS4 - Delay Differential Equations
Amphi 8 - MS14 - Parabolic Equations in Life Sciences
Amphi 9 - MS24 - Swarming and Collective Behavior: From Theory to Experiment
Amphi 10 - MS26 - Water waves
Amphi 11 - CT6 - Solitary and periodic waves
Room 58 - CT8 - Geometry and dynamical systems
Room 69 - CT9 - Kinetic equations
19:30-21:00 - Rhône prefecture - Welcome party and group picture

Monday, July 6, 2015 - Parallel sessions				
Starts at	Amphi 1 - MS7 Chair: E. H. Kim	Amphi 2 - MS11 Chair: J. Szeftel	Amphi 3 - MS20 Chair: V. Baladi	Amphi 4 - MS22 Chair: A. Debussche
14:00	J. von Brecht	J. Luk	O. Butterley	S. Cerrai
14:30	H. Bae	A. Shao	R. de la Llave	J. Vovelle
15:00	C. Tsikkou	Q. Wang	J. de Simoi	M. Hofmanova
15:30	A. Mellet	P. LeFloch	G. Keller	M. Romito
16:00-16:30 Coffee/tea break				
Starts at	Amphi 1 - MS7 Chair: K. Trivisa	Amphi 2 - CT5 Chair: D. Bresch	Amphi 3 - MS20 Chair: I. Melbourne	Amphi 4 - MS22 Chair: F. Flandoli
16:30	D. Serre	B. Haspot	M. Nicol	B. Gess
17:00	M. Bae	S. Necasova	D. Terhesiu	L. Beck
17:30	D. Donatelli	M. Pokorny	D. Thomine	Y. Bruned
18:00	B. Perthame	E. Zatorska	M. Todd	N. Perkowski

Monday, July 6, 2015 - Parallel sessions, cont.				
Starts at	Amphi 5 - CT2 Chair: M. Rodrigues	Amphi 7 - MS4 Chair: J. Wu	Amphi 8 - MS14 Chair: A. Moussa	Amphi 9 - MS24 Chair: A. Bernoff
14:00	B. De Rijk	M. C. Mackey	M. Alfaro	M. D'Orsogna
14:30	A. Ghazaryan	H.-O. Walther	K. Fellner	C. Topaz
15:00	A. Klaiber	M. Adimy	S. Martinez	R. Lukeman
15:30	V. Manukian	G. Rost	G. Nadin	N. Ouellette
16:00-16:30 Coffee/tea break				
Starts at	Amphi 5 - CT7 Chair: R. Kajikiya	Amphi 7 - MS4 Chair: M. Adimy	Amphi 8 - MS14 Chair: T. Lepoutre	Amphi 9 - MS24 Chair: C. Topaz
16:30	L. Doering	S. Cuadrado	M. Pierre	K. Craig
17:00	M. Garcia-Huidobro	H. Thieme	L. Rossi	Y. Huang
17:30	P. Musolino	I. Gyori	A. Trescases	M. Short
18:00	S. Tanaka	T. Krisztin	N. Zamponi	R. Fetecau

Monday, July 6, 2015 - Parallel sessions, end.				
Starts at	Amphi 10 - MS26 Chair: D. Lannes	Amphi 11 - CT1 Chair: D. Iftimie	Room 58 - CT3 Chair: L. Dupaigne	Room 69 - CT4 Chair: C. Rocha
14:00	V. Duchene	J. Guillod	N. Shioji	R. Luca Tudorache
14:30	T. Alazard	J. Gutierrez-Santacreu	R. Kajikiya	W. Mydlarczyk
15:00	A. Castro	Y. Tsuzuki	M. Muratori	T. Tanigawa
15:30	F. Rousset	A. Wroblewska-Kaminska		
16:00-16:30 Coffee/tea break				
Starts at	Amphi 10 - MS26 Chair: E. Wahlen	Amphi 11 - CT6 Chair: D. Smets	Room 58 - CT8 Chair: S. Masnou	Room 69 - CT9 Chair: C. Bardos
16:30	M. Ehrnstrom	M. Arnesen	N. Charalambous	E. Daus
17:00	E. Varvaruca	A. Duran	M. Gonchenko	H.-W. Kuo
17:30	M. Groves	A. Geyer	C. Rocha	M. Lavrentiev
18:00	W.-P. Duell	E. Yomba	L. Stolovitch	S.-B. Yun

(Amphi 1–5 in Déambulatoire building; Amphi 7–11 and Rooms 58 & 69 in Thémis building)

Tuesday, July 7

Tuesday, July 7, 2015	
9:00-10:00 Amphi 4 - Chair: G. Keller Laura DeMarco Complex dynamics, bifurcations, and arithmetic	9:00-10:00 Amphi 5 - Chair: D. Serre Benoit Perthame Analysis of 'Integrate and Fire' models for neural networks
10:00-10:30 Déambulatoire hall - Coffee/tea break	
10:30-11:30 Déambulatoire hall Poster session	
11:30-12:30 Amphi 4 - Chair: M. Haragus Hatem Zaag Existence and stability of a solution with a new prescribed behavior for a heat equation with a critical nonlinear gradient term	11:30-12:30 Amphi 5 - Chair: P. Kloeden Barbara Gentz Small eigenvalues and mean transition times for irreversible diffusions
12:30-14:00 CROUS Mensa Lunch break	
14:00-16:00 Parallel sessions	
Amphi 1 - MS6 - Fluid Dynamics	
Amphi 2 - MS11 - Mathematical Problems of General Relativity	
Amphi 3 - MS18 - Spectral Properties of Hyperbolic Dynamical Systems	
Amphi 4 - MS19 - Stability of Nonlinear Waves	
Amphi 5 - CT11 - Blow-up techniques in dynamical systems	
Amphi 7 - MS4 - Delay Differential Equations	
Amphi 8 - MS16 - PDE-constrained Bayesian Inverse Problems and Data Assimilation	
Amphi 9 - MS23 - Stochastic Homogenization	
Amphi 10 - MS25 - Topological Methods in Differential Equations	
Amphi 11 - CT10 - Existence and regularity for elliptic equations	
Room 58 - CT12 - Applied dynamical systems	
Room 69 - CT13 - Dynamics of dispersive equations	
16:00-16:30 Coffee/tea break	
16:30-18:30 Parallel sessions	
Amphi 1 - MS6 - Fluid Dynamics	
Amphi 2 - MS7 - Free Boundary Problems and Related PDEs	
Amphi 3 - MS18 - Spectral Properties of Hyperbolic Dynamical Systems	
Amphi 4 - MS19 - Stability of Nonlinear Waves	
Amphi 5 - CT15 - Structured models	
Amphi 7 - MS10 - Mathematical Mechanisms Underlying the Biophysics of Neuronal Activity	
Amphi 8 - MS16 - PDE-constrained Bayesian Inverse Problems and Data Assimilation	
Amphi 9 - MS23 - Stochastic Homogenization	
Amphi 10 - MS25 - Topological Methods in Differential Equations	
Amphi 11 - CT14 - Qualitative theory of elliptic equations	
Room 58 - CT16 - Chemotaxis equations	
Room 69 - CT17 - Degenerate evolution PDEs	

Tuesday, July 7, 2015 - Parallel sessions				
Starts	Amphi 1 - MS6	Amphi 2 - MS11	Amphi 3 - MS18	Amphi 4 - MS19
at	Chair: J. Bedrossian	Chair: S. Klainerman	Chair: C. Guillarmou	Chair: K. Zumbrun
14:00	T. Buckmaster	S. Aretakis	V. Baladi	B. Barker
14:30	G. Crippa	P. Blue	T. Weich	M. Johnson
15:00	M. Coti Zelati	J. Smulevici	M. Ingremeau	R. Monteiro da Silva
15:30	V. Vicol	Y. Shlapentokh-Rothman	F. Naud	M. Holzer
16:00-16:30 Coffee/tea break				
Starts	Amphi 1 - MS6	Amphi 2 - MS7	Amphi 3 - MS18	Amphi 4 - MS19
at	Chair: H. Nussenzveig Lopes	Chair: E. H. Kim	Chair: G. Riviere	Chair: M. Beck
16:30	D. Córdoba	J. Hunter	R. Schubert	J. Bedrossian
17:00	M. Dai	S.-Y. Ha	Y. Bonthonneau	M. Chirilus-Bruckner
17:30	D. Iftimie	S. McCalla	P. Vidotto	R. Marangell
18:00	A. Cheskidov	K. Trivisa	F. Faure	S. Schecter

Tuesday, July 7, 2015 - Parallel sessions, cont.				
Starts	Amphi 5 - CT11	Amphi 7 - MS4	Amphi 8 - MS16	Amphi 9 - MS23
at	Chair: P. Szmolyan	Chair: L. Pujo-Menjouet	Chair: D. Crisan	Chair: A. Gloria
14:00	P. Carter	E. Stumpf	J. Harlim	M. Duerinckx
14:30	J. Hogan	T. Humphries	J. Broecker	W. Minvielle
15:00	C. Kuehn	J. Wu	D. Kelly	S. Neukamm
15:30	J. Waechtler		H. Hoel	J. Lin
16:00-16:30 Coffee/tea break				
Starts	Amphi 5 - CT15	Amphi 7 - MS10	Amphi 8 - MS16	Amphi 9 - MS23
at	Chair: H. Thieme	Chair: H. Osinga	Chair: M. A. Iglesias	Chair: S. Armstrong
16:30	N. Kato	B. Krauskopf	N. Kantas	J.-C. Mourrat
17:00	L. Trussardi	E. Vasilaki	P. Conrad	Y. Gu
17:30	R. Wiecezorek	K. Wedgwood	D. Crisan	J.-D. Deuschel
18:00	E. Yilmaz	S. Petkoski		P. Mathieu

Tuesday, July 7, 2015 - Parallel sessions, end.				
Starts	Amphi 10 - MS25	Amphi 11 - CT10	Room 58 - CT12	Room 69 - CT13
at	Chair: L. Malaguti	Chair: P. Mironescu	Chair: H. Kokubu	Chair: L. Brandolese
14:00	W. Kryszewski	G. Alberti	J. Han	P. Acosta-Humanez
14:30	V. Obukhovskii	R. D'Ambrosio	S. Liebscher	N. Duruk Mutlubas
15:00	I. Benedetti	F. Sadyrbaev	R. Lukasiak	A. Erkip
15:30	G. Gabor	B. Stroffolini	V. Zupanovic	R. Granero Belinchón
16:00-16:30 Coffee/tea break				
Starts	Amphi 10 - MS25	Amphi 11 - CT14	Room 58 - CT16	Room 69 - CT17
at	Chair: V. Obukhovskii	Chair: F. Robert	Chair: H. Zaag	Chair: M. Westdickenberg
16:30	I. I. Vrabie	F. Feo	K. Fujie	A. Kubo
17:00	M. Vath	P. Lamberti	S. Ishida	D. Goos
17:30	V. Taddei	Y. Naito	T. Yokota	H. Watanabe
18:00	K. Yoshii		N. Yoshino	T. Fukao

Wednesday, July 8

Wednesday, July 8, 2015	
9:00-10:00 Amphi 4 - Chair: S. Cerrai Massimiliano Gubinelli Regularisation by noise in PDEs	9:00-10:00 Amphi 5 - Chair: M. Nicol Dmitry Turaev On chaotic dynamics in non-holonomic mechanical systems
10:00-10:30 Déambulatoire hall - Coffee/tea break	
10:30-12:30 Parallel sessions	
Amphi 1 - MS6 - Fluid Dynamics	
Amphi 2 - MS13 - Nonlinear Waves in Dispersive Equations	
Amphi 3 - MS17 - Singularities in the Calculus of Variations and PDE	
Amphi 4 - MS21 - Stochastic Dynamics	
Amphi 5 - CT18 - Oscillation theory in ODEs	
Amphi 7 - MS10 - Mathematical Mechanisms Underlying the Biophysics of Neuronal Activity	
Amphi 8 - MS16 - PDE-constrained Bayesian Inverse Problems and Data Assimilation	
Amphi 9 - MS3 - Coupled Oscillator Systems and their Mean-Field Dynamics	
Amphi 10 - CT19 - Long-time behavior in evolution PDEs	
Amphi 11 - CT20 - Numerical analysis	
Room 58 - CT21 - Dynamical systems	
Room 69 - CT29 - Variational approach of evolution PDEs	
12:30-14:00 CROUS Mensa Lunch break	
Free time	
20:00-23:00 - Le Bateau Bellona - Social dinner	

Wednesday, July 8, 2015 - Parallel sessions				
Starts at	Amphi 1 - MS6 Chair: J. Bedrossian	Amphi 2 - MS13 Chair: D. Pelinovsky	Amphi 3 - MS17 Chair: L. Bronsard	Amphi 4 - MS21 Chair: A. J. Homburg
10:30	C. Bardos	M. Haragus	P. Mironescu	N. Berglund
11:00	D. Gerard-Varet	C. E. Wayne	R. Rodiac	D. Bloemker
11:30	B. Afeyan	D. Noja	P. Bochard	D. Martirosyan
12:00	S. Ibrahim	L. Fanelli	C. Melcher	T. Caraballo

Wednesday, July 8, 2015 - Parallel sessions, cont.				
Starts at	Amphi 5 - CT18 Chair: J. Starke	Amphi 7 - MS10 Chair: R. Barrio	Amphi 8 - MS16 Chair:	Amphi 9 - MS3 Chair: C. Kuehn
10:30	A. Domoshnitsky	O. Faugeras	A. Spantini	G. Giacomini
11:00	L. Bisconti	G. Huguet	M. Iglesias	E. Lucon
11:30	G. Zampieri	K. Tsaneva-Atanasova	F. Legoll	H. Chiba
12:00	O. Sultanov	S. Serrano	C. Schillings	S.-Y. Ha

Wednesday, July 8, 2015 - Parallel sessions, end.				
Starts at	Amphi 10 - CT19 Chair: D. Donatelli	Amphi 11 - CT20 Chair: M. Bergot	Room 58 - CT21 Chair: M. Todd	Room 69 - CT29 Chair: T. Bartsch
10:30	M.-J. Kang	H. Borluk	M. Gharai	N. Kenmochi
11:00	Y. Lu	D. Breit	M. Kourganoff	S. Slijepcevic
11:30	J. Shomberg	P. Collins	A. Meyroneinc	D. Vorotnikov
12:00	J. Bouhours	B. Zubik-Kowal	D. Todorov	N. Yamazaki

(Amphi 1–5 in Déambulatoire building; Amphi 7–11 and Rooms 58 & 69 in Thémis building)

Thursday, July 9

Thursday, July 9, 2015	
9:00-10:00 Astrée Theater - Chair: P. Polacik	Lai-Sang Young Toward a smooth ergodic theory for infinite dimensional systems
10:00-10:30 Astrée hall - Coffee/tea break	
10:30-11:30 Astrée Theater - Chair: C. E. Wayne	Andrea Bertozzi Swarming and the Aggregation Equation
11:30-12:30 Astrée Theater - Chair: C. E. Wayne	Vladimir Sverak : Examples of incompressible flows and some model equations
12:30-14:00 CROUS Mensa Lunch break	
14:00-16:00 Parallel sessions	
Amphi 1 - MS12 - New Trends on Concentration Phenomena in Nonlinear Elliptic Equations	
Amphi 2 - MS13 - Nonlinear Waves in Dispersive Equations	
Amphi 3 - MS17 - Singularities in the Calculus of Variations and PDE	
Amphi 4 - MS21 - Stochastic Dynamics	
Amphi 5 - MS15 - PDE analysis of three-dimensional fluid flow	
Amphi 7 - MS1 - Celestial Mechanics	
Amphi 8 - MS2 - Continuation methods and applications	
Amphi 9 - MS3 - Coupled Oscillator Systems and their Mean-Field Dynamics	
Amphi 10 - MS8 - Inverse Spectral Theory and Applications	
Amphi 11 - CT22 - Internal and surface waves in fluids	
Room 58 - CT23 - Discrete systems	
Room 69 - CT24 - Multi-scale dynamical systems	
16:00-16:30 Coffee/tea break	
16:30-18:30 Parallel sessions	
Amphi 1 - MS12 - New Trends on Concentration Phenomena in Nonlinear Elliptic Equations	
Amphi 2 - MS13 - Nonlinear Waves in Dispersive Equations	
Amphi 3 - MS17 - Singularities in the Calculus of Variations and PDE	
Amphi 4 - CT25 - General relativity	
Amphi 5 - MS15 - PDE analysis of three-dimensional fluid flow	
Amphi 7 - MS5 - Dynamics of Chemical, Metabolic, and Gene Regulatory Networks	
Amphi 8 - MS2 - Continuation methods and applications	
Amphi 9 - MS9 - Lattice Dynamical Systems	
Amphi 10 - CT26 - Models in continuum mechanics	
Amphi 11 - CT27 - Regularity for evolution PDEs	
Room 58 - CT28 - Inverse problems	

Thursday, July 9, 2015 - Parallel sessions				
Starts at	Amphi 1 - MS12 Chair: A. Pistoia	Amphi 2 - MS13 Chair: N. Visciglia	Amphi 3 - MS17 Chair: P. Mironescu	Amphi 4 - MS21 Chair: H. Crauel
14:00	T. Bartsch	P. Gravejat	D. Smets	A. Duncan
14:30	T. D'Aprile	R. Carles	M. Westdickenberg	B. Gess
15:00	A. Farina	S. Gustafson	M. Gelantalis	M. Rasmussen
15:30	T. Ricciardi	N. Boussaid	V. Millot	P. Kloeden
16:00-16:30 Coffee/tea break				
Starts at	Amphi 1 - MS12 Chair: F. Robert	Amphi 2 - MS13 Chair: D. Pelinovsky	Amphi 3 - MS17 Chair: M. Westdickenberg	Amphi 4 - CT25 Chair: J. Smulevici
16:30	H. Tavares	J.-C. Saut	I. Shafrir	J. Costa
17:00	G. Vaira	M. Johnson	T. Giorgi	H. Lee
17:30	D. Ruiz	E. Miot	D. Golovaty	T. Makino
18:00	D. Hauer	F. Rousset	X. Lamy	

Thursday, July 9, 2015 - Parallel sessions, cont.				
Starts at	Amphi 5 - MS15 Chair: J. Malek	Amphi 7 - MS1 Chair: M. Guardia	Amphi 8 - MS2 Chair: B. Krauskopf	Amphi 9 - MS3 Chair: M. Wolfrum
14:00	D. Bresch	S. Bolotin	H. Osinga	A. Pikovsky
14:30	E. Feireisl	T. Seara	W. Govaerts	C. Laing
15:00	E. Titi	A. Albouy	T. Humphries	O. Omel'chenko
15:30	M. Bulicek	J. Xue	P. Ritchie	G. Medvediev
16:00-16:30 Coffee/tea break				
Starts at	Amphi 5 - MS15 Chair: E. Suli	Amphi 7 - MS5 Chair: H. Matano	Amphi 8 - MS2 Chair: J. Sieber	Amphi 9 - MS9 Chair: A. Hoffman
16:30	A.-L. Dalibard	M. Feinberg	H. Dankowicz	X. Han
17:00	M. Köhne	M. Feinberg	D. Barton	V. Rothos
17:30	D. Gérard-Varet	M. Okada	J. Starke	G. Faye
18:00	A. Novotny	P. Szmolyan		A. Dean

Thursday, July 9, 2015 - Parallel sessions, end.				
Starts at	Amphi 10 - MS8 Chair: D. Damanik	Amphi 11 - CT22 Chair: V. Duchêne	Room 58 - CT23 Chair: S. Slijepcevic	Room 69 - CT24 Chair: M. Chirilus-Bruckner
14:00	K. Grunert	T.-C. Jo	B. Fernandez	G. Froyland
14:30	P. Yuditskii	E. Lokharu	P. Hasil	I. Kosiuk
15:00	B. Eichinger	I. Simanovskii	R. Kusdiantara	E. Knobloch
15:30	G. Teschl	H. Ueno	V. Reitmann	A. Iuorio
16:00-16:30 Coffee/tea break				
Starts at	Amphi 10 - CT26 Chair: G. Vial	Amphi 11 - CT27 Chair: J. Vovelle	Room 58 - CT28 Chair: B. Dehman	
16:30	T. Aiki	R. Brunnhuber	M. Hrizi	
17:00	M. Cherdantsev	D. Chamorro	R. Malek	
17:30	V. Milisic	E. Petropoulou	D. Tarzia	
18:00	D. Puhst	H. Tahara		

(Amphi 1–5 in Déambulatoire building; Amphi 7–11 and Rooms 58 & 69 in Thémis building)

Friday, July 10

Friday, July 10, 2015
9:00-10:00 Astrée Theater - Chair: S. Gustafson Pierre Raphaël Energy concentration and type II blow up in nonlinear evolution equations
10:00-10:30 Astrée hall - Coffee/tea break
10:30-11:30 Astrée Theater - Chair: E. Feireisl Carlangelo Liverani Deterministic Noise (beyond averaging and fluctuations)
11:30-12:30 Astrée Theater - Chair: E. Feireisl Nader Masmoudi Dynamics near the subcritical transition of the 3D Couette flow
12:30-14:00 CROUS Mensa Lunch break
14:00-16:00 Parallel sessions
Amphi 1 - MS12 - New Trends on Concentration Phenomena in Nonlinear Elliptic Equations
Amphi 2 - MS13 - Nonlinear Waves in Dispersive Equations
Amphi 3 - CT31 - Shock waves and propagation
Amphi 4 - CT32 - Stochastic equations
Amphi 5 - CT33 - Fluid models
Amphi 7 - MS5 - Dynamics of Chemical, Metabolic, and Gene Regulatory Networks
Amphi 8 - MS1 - Celestial Mechanics
Amphi 9 - MS9 - Lattice Dynamical Systems
Amphi 10 - MS8 - Inverse Spectral Theory and Applications
Amphi 11 - CT30 - Ideal fluid equations
16:00-16:30 End

Friday, July 10, 2015 - Parallel sessions				
Starts at	Amphi 1 - MS12 Chair: T. Bartsch	Amphi 2 - MS13 Chair: N. Visciglia	Amphi 3 - CT31 Chair: T. Gallay	Amphi 4 - CT32 Chair: B. Gentz
14:00	F. Gladiali	G. Perelman	M. Strani	I. Bailleul
14:30	N. Soave	E. Colorado	M. Ohnawa	G. Cannizzaro
15:00	F. De Marchis	P. Feehan	T. Shukla	E. Fedrizzi
15:30	F. Robert			J. Fischer

Friday, July 10, 2015 - Parallel sessions, cont.				
Starts at	Amphi 5 - CT33 Chair: M. Pokorny	Amphi 7 - MS5 Chair: B. Fiedler	Amphi 8 - MS1 Chair: V. Kaloshin	Amphi 9 - MS9 Chair: H. J. Hupkes
14:00	K. Kumazaki	H. Matano	L. Niederman	T. Penati
14:30	B. Muha	H. Kokubu	T. Castan	J. Wattis
15:00	Y. Murase	A. Mochizuki	K.-C. Chen	A. Vainchtein
15:30	K. Shirakawa	R. Joly	G. Pinzari	D. Pelinovsky

Friday, July 10, 2015 - Parallel sessions, end.		
Starts at	Amphi 10 - MS8 Chair: G. Teschl	Amphi 11 - CT30 Chair: S. Necasova
14:00	M. Lukic	D. Catania
14:30	J. Fillman	K. Song
15:00	T. VandenBoom	P. Trebeschi
15:30	J. Michor	C. Zillinger

(Amphi 1–5 in Déambulatoire building; Amphi 7–11 in Thémis building)

Main lectures

Plenary talks

- **Monday 09:30-10:30** (Astrée Theater). **Chair:** Mark Groves
Andrew Stuart : *Data Assimilation – New Challenges in Random and Stochastic Dynamical Systems*
- **Monday 11:00-12:00** (Astrée Theater). **Chair:** Lia Bronsard
Sylvia Serfaty : *Effective models for Ginzburg-Landau vortices*
- **Thursday 09:00-10:00** (Astrée Theater). **Chair:** Peter Polacik
Lai-Sang Young : *Toward a smooth ergodic theory for infinite dimensional systems*
- **Thursday 10:30-11:30** (Astrée Theater). **Chair:** C. Eugene Wayne
Andrea Bertozzi : *Swarming and the Aggregation Equation*
- **Thursday 11:30-12:30** (Astrée Theater). **Chair:** C. Eugene Wayne
Vladimir Sverak : *Examples of incompressible flows and some model equations*
- **Friday 09:00-10:00** (Astrée Theater). **Chair:** Stephen Gustafson
Pierre Raphaël : *Energy concentration and type II blow up in nonlinear evolution equations*
- **Friday 10:30-11:30** (Astrée Theater). **Chair:** Eduard Feireisl
Carlangelo Liverani : *Deterministic Noise (beyond averaging and fluctuations)*
- **Friday 11:30-12:30** (Astrée Theater). **Chair:** Eduard Feireisl
Nader Masmoudi : *Dynamics near the subcritical transition of the 3D Couette flow*

Invited talks

- **Tuesday 09:00-10:00** (Amphi 4 - Déambulatoire building). **Chair:** Gerhard Keller
Laura DeMarco : *Complex dynamics, bifurcations, and arithmetic*
- **Tuesday 09:00-10:00** (Amphi 5 - Déambulatoire building). **Chair:** Denis Serre
Benoit Perthame : *Analysis of 'Integrate and Fire' models for neural networks*
- **Tuesday 11:30-12:30** (Amphi 4 - Déambulatoire building). **Chair:** Mariana Haragus
Hatem Zaag : *Existence and stability of a solution with a new prescribed behavior for a heat equation with a critical nonlinear gradient term*
- **Tuesday 11:30-12:30** (Amphi 5 - Déambulatoire building). **Chair:** Peter Kloeden
Barbara Gentz : *Small eigenvalues and mean transition times for irreversible diffusions*
- **Wednesday 09:00-10:00** (Amphi 4 - Déambulatoire building). **Chair:** Sandra Cerrai
Massimiliano Gubinelli : *Regularisation by noise in PDEs*
- **Wednesday 09:00-10:00** (Amphi 5 - Déambulatoire building). **Chair:** Matthew Nicol
Dmitry Turaev : *On chaotic dynamics in non-holonomic mechanical systems*

Minisymposia

- **MS1 - Celestial Mechanics - 1**

Thursday 14:00-16:00 (Amphi 7 - Thémis building). **Chair:** Marcel Guardia

1. Sergey Bolotin : *Billiards in the three body problem*
 2. Tere M. Seara : *Oscillatory orbits in the restricted elliptic planar three body problem*
 3. Alain Albouy : *On the continuation of orbits “after infinity” in Newtonian dynamics*
 4. Jinxin Xue : *Noncollision Singularities in a Planar Four-body Problem*
-

- **MS1 - Celestial Mechanics - 2**

Friday 14:00-16:00 (Amphi 8 - Thémis building). **Chair:** Vadim Kaloshin

1. Laurent Niederman : *Quasi periodic coorbital motions in the three body problem*
 2. Thibaut Castan : *KAM Theorem applied to the plane planetary problem*
 3. Kuo-Chang Chen : *An analytic approach for central configurations*
 4. Gabriella Pinzari : *Perihelia reduction in the planetary problem*
-

- **MS2 - Continuation methods and applications - 1**

Thursday 14:00-16:00 (Amphi 8 - Thémis building). **Chair:** Bernd Krauskopf

1. Hinke Osinga : *Direct computation of failure boundaries*
 2. Willy Govaerts : *New asymptotics of homoclinic orbits near Bogdanov-Takens bifurcation points.*
 3. Tony Humphries : *Continuation and codimension-two bifurcations for a delay-differential equation with two state-dependent delays*
 4. Paul Ritchie : *Interactions between noise and rate-induced tipping*
-

- **MS2 - Continuation methods and applications - 2**

Thursday 16:30-18:30 (Amphi 8 - Thémis building). **Chair:** Jan Sieber

1. Harry Dankowicz : *Nonlinear tuning of microresonators for dynamic range enhancement*
 2. David Barton : *Control-based continuation: bifurcation and stability analysis for physical experiments*
 3. Jens Starke : *Continuation for situations with noisy data*
-

- **MS3 - Coupled Oscillator Systems and their Mean-Field Dynamics - 1**

Wednesday 10:30-12:30 (Amphi 9 - Thémis building). **Chair:** Christian Kuehn

1. Giambattista Giacomin : *Landau damping in the Kuramoto model*
 2. Eric Lucon : *Mean-field limit and fluctuations for interacting oscillators with singular spatial interaction*
 3. Hayato Chiba : *A spectral theory of linear operators on a Gelfand triplet and its application to the dynamics of coupled oscillators*
 4. Seung Yeal Ha : *Complete synchronization of classical and quantum oscillators*
-

- **MS3 - Coupled Oscillator Systems and their Mean-Field Dynamics - 2**

Thursday 14:00-16:00 (Amphi 9 - Thémis building). **Chair:** Matthias Wolfrum

1. Arkady Pikovsky : *Dynamics of multifrequency communities of coupled oscillators*
 2. Carlo Laing : *Neural Field Models Which Include Gap Junctions*
 3. Oleh Omel'chenko : *Chimera states in systems with control*
 4. Georgi Medvedev : *Graph Limits and Dynamics of Large Networks*
-

- **MS4 - Delay Differential Equations - 1**

Monday 14:00-16:00 (Amphi 7 - Thémis building). **Chair:** Jianhong Wu

1. Michael Mackey : *Understanding, treating and avoiding hematological disease: Better medicine through mathematics?*
 2. Hans-Otto Walther : *Modelling medication: Phase resetting for a simple delay differential equation*
 3. Mostafa Adimy : *Age-structured and delay differential-difference model of hematopoietic stem cell dynamics*
 4. Gergely Rost : *Dynamics of the two-delay Belair-Mackey equation*
-

- **MS4 - Delay Differential Equations - 2**

Monday 16:30-18:30 (Amphi 7 - Thémis building). **Chair:** Mostafa Adimy

1. Silvia Cuadrado : *PDE formulation and delay equation formulation of a cyclin structured cell population model*
 2. Horst Thieme : *Spreading speeds for a fox rabies model with infection-age dependent diffusion*
 3. Istvan Gyori : *On a logistic equation with delayed positive and negative feedbacks*
 4. Tibor Krisztin : *Periodic solutions of a differential equation with a queueing delay*
-

- **MS4 - Delay Differential Equations - 3**

Tuesday 14:00-16:00 (Amphi 7 - Thémis building). **Chair:** Laurent Pujo-Menjouet

1. Eugen Stumpf : *Local stability analysis of differential equations with state-dependent delay*
2. Tony Humphries : *Lyapunov-Razumikhin techniques for state-dependent DDEs*

3. Jianhong Wu : *The role of host immunity for structured tick population dynamics*

• **MS5 - Dynamics of Chemical, Metabolic, and Gene Regulatory Networks - 1**

Thursday 16:30-18:30 (Amphi 7 - Thémis building). **Chair:** Hiroshi Matano

1. Martin Feinberg : *Stability and Instability in Complex Chemical Reaction Networks 1*
 2. Martin Feinberg : *Stability and Instability in Complex Chemical Reaction Networks 2*
 3. Mariko Okada : *Data-based modeling of on/off switch mechanism arising from biochemical network*
 4. Peter Szmolyan : *Hidden slow-fast dynamics in biochemical models*
-

• **MS5 - Dynamics of Chemical, Metabolic, and Gene Regulatory Networks - 2**

Friday 14:00-16:00 (Amphi 7 - Thémis building). **Chair:** Bernold Fiedler

1. Hiroshi Matano : *Balloons in chemical reaction networks*
 2. Hiroshi Kokubu : *Morse decomposition of regulatory networks via its determining nodes*
 3. Atsushi Mochizuki : *Sensitivity of chemical reaction networks: A structural approach.*
 4. Romain Joly : *Generic dynamics of coupled cell networks*
-

• **MS6 - Fluid Dynamics - 1**

Tuesday 14:00-16:00 (Amphi 1 - Déambulatoire building). **Chair:** Jacob Bedrossian

1. Tristan Buckmaster : *Onsager's Conjecture*
 2. Gianluca Crippa : *ODEs with weakly regular velocity fields and applications to the Euler and Vlasov-Poisson equations*
 3. Michele Coti Zelati : *Invariant measures for passive scalars in the small noise inviscid limit*
 4. Vlad Vicol : *Almost global existence for the Prandtl boundary layer equations*
-

• **MS6 - Fluid Dynamics - 2**

Tuesday 16:30-18:30 (Amphi 1 - Déambulatoire building). **Chair:** Helena Nussenzveig Lopes

1. Diego Cordoba : *Uniformly rotating solutions for incompressible active scalars*
 2. Mimi Dai : *Finite determining modes for quasi-geostrophic equation*
 3. Dragos Iftimie : *Uniform time of existence for solutions of the alpha-Euler equations*
 4. Alexey Cheskidov : *Determining wavenumber for fluid equations*
-

• **MS6 - Fluid Dynamics - 3**

Wednesday 10:30-12:30 (Amphi 1 - Déambulatoire building). **Chair:** Jacob Bedrossian

1. Claude Bardos : *Appearance of turbulence in the Euler limit with Boundary effects.*
2. David Gerard-Varet : *The Taylor model in magnetohydrodynamics (MHD)*

3. Bedros Afeyan : *Nonlinear, Nonstationary, Self-Organized States in Vlasov Plasmas and Connections to Long Lived Nonlinear States in 2D Euler Flows*
 4. Slim Ibrahim : *Stability of time periodic solutions of the Navier-Stokes-Marwell system*
-

• **MS7 - Free Boundary Problems and Related PDEs - 1**

Monday 14:00-16:00 (Amphi 1 - Déambulatoire building). **Chair:** Eun Heui Kim

1. James Von Brecht : *Co-dimension One Self-Assembly*
 2. Hantaek Bae : *Global Existence of weak solutions for some transport equations with nonlocal velocity fields*
 3. Charis Tsikkou : *Analysis of 2+1 Diffusive-Dispersive PDE Arising in River Braiding*
 4. Antoine Mellet : *Some free boundary problems for moving drops: Existence and homogenization.*
-

• **MS7 - Free Boundary Problems and Related PDEs - 2**

Monday 16:30-18:30 (Amphi 1 - Déambulatoire building). **Chair:** Konstantina Trivisa

1. Denis Serre : *Expansion of an isentropic gas into vacuum*
 2. Myoungjean Bae : *Global existence of weak shocks past a solid ramp*
 3. Donatella Donatelli : *Existence of solutions for nonlinear models for tumor growth.*
 4. Benoit Perthame : *The Hele-Shaw free-boundary asymptotics for fluid models of tumor growth*
-

• **MS7 - Free Boundary Problems and Related PDEs - 3**

Tuesday 16:30-18:30 (Amphi 2 - Déambulatoire building). **Chair:** Eun Heui Kim

1. John Hunter : *Nonlocal equations for nonlinear electromagnetic surface waves*
 2. Seung Yeal Ha : *Emergent behaviors of Cucker-Smale flocking particles*
 3. Scott Mccalla : *Spots in the Swift-Hohenberg Equation*
 4. Konstantina Trivisa : *On a mechanical model for tumor growth*
-

• **MS8 - Inverse Spectral Theory and Applications - 1**

Thursday 14:00-16:00 (Amphi 10 - Thémis building). **Chair:** David Damanik

1. Katrin Grunert : *Blow up for the two-component Camassa-Holm system*
 2. Peter Yuditskii : *Elements of J-theory in application to the Killip-Simon and other spectral problems*
 3. Benjamin Eichinger : *Periodic GMP matrices*
 4. Gerald Teschl : *On the inverse spectral problem of the dispersionless Camassa-Holm equation and applications to peakon asymptotics*
-

• **MS8 - Inverse Spectral Theory and Applications - 2**

Friday 14:00-16:00 (Amphi 10 - Thémis building). **Chair:** Gerald Teschl

1. Milivoje Lukic : *The isospectral torus of quasi-periodic Schrödinger operators via periodic approximations*
 2. Jake Fillman : *Limit-Periodic Operators with Homogeneous Spectra*
 3. Thomas Vandenboom : *Direct and Inverse Spectral Relationships*
 4. Johanna Michor : *Wave phenomena of the Toda lattice with steplike initial data*
-

• MS9 - Lattice Dynamical Systems - 1

Thursday 16:30-18:30 (Amphi 9 - Thémis building). **Chair:** Aaron Hoffman

1. Xiaoying Han : *Random Attractors for stochastic lattice dynamical systems*
 2. Vassilios Rothos : *Travelling waves in nonlinear metamaterial lattices*
 3. Gregory Faye : *Propagation failure in some nonlocal equations*
 4. Andrew Dean : *Pinning and snaking on lattices: orientation dependence and multiple pinning mechanisms*
-

• MS9 - Lattice Dynamical Systems - 2

Friday 14:00-16:00 (Amphi 9 - Thémis building). **Chair:** Hermen Jan Hupkes

1. Tiziano Penati : *Generalized dNLS models as normal forms for KG lattices and applications*
 2. Jonathan Wattis : *Breathers in two-dimensional lattices*
 3. Anna Vainchtein : *On solitary waves in diatomic lattices*
 4. Dmitry Pelinovsky : *Approximations of dynamics of nonlinear lattices on the extended time scale*
-

• MS10 - Mathematical Mechanisms Underlying the Biophysics of Neuronal Activity - 1

Tuesday 16:30-18:30 (Amphi 7 - Thémis building). **Chair:** Hinke Osinga

1. Bernd Krauskopf : *Slow manifolds organising mixed-mode dynamics*
 2. Eleni Vasilaki : *Emergence of connectivity motifs via the interaction of long-term and short-term plasticity.*
 3. Kyle Wedgwood : *Coarse-grained analysis of patterned activity in a discrete-time neural network*
 4. Spase Petkoski : *Delay-imposed structure on the network dynamics of oscillators*
-

• MS10 - Mathematical Mechanisms Underlying the Biophysics of Neuronal Activity - 2

Wednesday 10:30-12:30 (Amphi 7 - Thémis building). **Chair:** Roberto Barrio

1. Olivier Faugeras : *On the effects on cortical spontaneous activity of the symmetries of the network of pinwheels in visual area V1.*
2. Gemma Huguet : *Mathematical tools for phase control in transient-states of spiking neurons*
3. Krasimira Tsaneva-Atanasova : *Spiking and Bursting in a biophysical model of excitable cell*
4. Sergio Serrano : *The role of homoclinic and heteroclinic cycles in neuronal models: individual and networked*

- **MS11 - Mathematical Problems of General Relativity - 1**

Monday 14:00-16:00 (Amphi 2 - Déambulatoire building). **Chair:** Jeremie Szeftel

1. Jonathan Luk : *Large data dispersive solutions to the Einstein-scalar field system*
 2. Arick Shao : *Unique Continuation in Asymptotically Anti-de Sitter Spacetimes*
 3. Qian Wang : *A geometric approach for sharp Local well-posedness of quasilinear wave equations*
 4. Philippe Lefloch : *The Hyperboloidal Foliation Method for Nonlinear Wave-Klein-Gordon Systems*
-

- **MS11 - Mathematical Problems of General Relativity - 2**

Tuesday 14:00-16:00 (Amphi 2 - Déambulatoire building). **Chair:** Sergiu Klainerman

1. Stefanos Aretakis : *Linear and non-linear wave equations on black hole backgrounds*
 2. Pieter Blue : *Escape coordinates outside black holes*
 3. Jacques Smulevici : *Vector field methods for transport equations with applications*
 4. Yakov Shlapentokh-Rothman : *Stability and Instability of Scalar Fields on Kerr Spacetimes*
-

- **MS12 - New Trends on Concentration Phenomena in Nonlinear Elliptic Equations - 1**

Thursday 14:00-16:00 (Amphi 1 - Déambulatoire building). **Chair:** Angela Pistoia

1. Thomas Bartsch : *Vortex Dynamics*
 2. Teresa D'Aprile : *Multiple blowing-up solutions for the singular Liouville equation on closed surfaces*
 3. Alberto Farina : *Some results on entire solutions to a family of nonlinear elliptic systems*
 4. Tonia Ricciardi : *Some Liouville type problems including a probability measure from 2D-turbulence*
-

- **MS12 - New Trends on Concentration Phenomena in Nonlinear Elliptic Equations - 2**

Thursday 16:30-18:30 (Amphi 1 - Déambulatoire building). **Chair:** Frédéric Robert

1. Hugo Tavares : *Existence and symmetry of least energy nodal solutions for Hamiltonian elliptic systems*
 2. Giusi Vaira : *Sign-changing solutions for the Brezis-Nirenberg problem*
 3. David Ruiz : *A rigidity result for overdetermined elliptic problems in the plane*
 4. Daniel Hauer : *A simplified approach to the regularising effect of nonlinear semi-groups*
-

- **MS12 - New Trends on Concentration Phenomena in Nonlinear Elliptic Equations - 3**

Friday 14:00-16:00 (Amphi 1 - Déambulatoire building). **Chair:** Thomas Bartsch

1. Francesca Gladiali : *A bifurcation result for a general 2x2 Toda system*
 2. Nicola Soave : *Normalized solutions for coupled cubic Schrödinger equations*
 3. Francesca De Marchis : *The singular Nirenberg problem*
 4. Frédéric Robert : *Sharp asymptotic profiles for singular solutions to an elliptic equation with a sign-changing nonlinearity*
-

• **MS13 - Nonlinear Waves in Dispersive Equations - 1**

Wednesday 10:30-12:30 (Amphi 2 - Déambulatoire building). **Chair:** Dmitry Pelinovsky

1. Mariana Haragus : *Transverse instability of periodic and generalized solitary waves for 5th order KP model*
 2. C. Eugene Wayne : *Asymptotic Stability of the Toda m-soliton*
 3. Diego Noja : *The Nonlinear Schrödinger equation on a tadpole graph*
 4. Luca Fanelli : *Improved time decay for magnetic Schrodinger evolutions*
-

• **MS13 - Nonlinear Waves in Dispersive Equations - 2**

Thursday 14:00-16:00 (Amphi 2 - Déambulatoire building). **Chair:** Nicola Visciglia

1. Philippe Gravejat : *Stability for solitons of the Landau-Lifshitz equation with an easy-plane anisotropy*
 2. Rémi Carles : *Damped nonlinear Schrödinger equations*
 3. Stephen Gustafson : *The energy critical limit of ground state solitons*
 4. Nabile Boussaid : *Cauchy problems for magnetic nonlinear Schrödinger equations*
-

• **MS13 - Nonlinear Waves in Dispersive Equations - 3**

Thursday 16:30-18:30 (Amphi 2 - Déambulatoire building). **Chair:** Dmitry Pelinovsky

1. Jean-Claude Saut : *Long time existence issues for some water waves systems*
 2. Mathew Johnson : *Stability of Wave Trains in Whitham Equations*
 3. Evelyne Miot : *Collisions of vortex filaments*
 4. Frédéric Rousset : *Quasineutral limit for the Vlasov-Poisson system*
-

• **MS13 - Nonlinear Waves in Dispersive Equations - 4**

Friday 14:00-16:00 (Amphi 2 - Déambulatoire building). **Chair:** Nicola Visciglia

1. Galina Perelman : *Blow up dynamics near the ground state for the focusing energy critical NLS*
 2. Eduardo Colorado : *Existence and multiplicity of solutions for a system of coupled NLS-KdV equations*
 3. Paul Feehan : *Global existence and convergence of smooth solutions to Yang-Mills gradient flow over compact four-manifolds*
-

• **MS14 - Parabolic Equations in Life Sciences - 1**

Monday 14:00-16:00 (Amphi 8 - Thémis building). **Chair:** Ayman Moussa

1. Matthieu Alfaro : *Acceleration or not in some reaction diffusion equations*
 2. Klemens Fellner : *On Volume-Surface Reaction-Diffusion Systems and Applications in Cell-Biology*
 3. Salome Martinez : *Asymptotic behavior of an inhomogeneous nonlocal equation*
 4. Grégoire Nadin : *Asymptotic spreading for general heterogeneous Fisher-KPP type equations*
-

• **MS14 - Parabolic Equations in Life Sciences - 2**

Monday 16:30-18:30 (Amphi 8 - Thémis building). **Chair:** Thomas Lepoutre

1. Michel Pierre : *An amazingly efficient L^2 -estimate in reaction-diffusion systems*
 2. Luca Rossi : *Extensions of Freidlin-Gartner's formula to general reaction terms*
 3. Ariane Trescases : *From a microscopic model to a macroscopic model with cross-diffusion in Population Dynamics*
 4. Nicola Zamponi : *Analysis of degenerate cross-diffusion population models with volume filling*
-

• **MS15 - PDE analysis of three-dimensional fluid flow - 1**

Thursday 14:00-16:00 (Amphi 5 - Déambulateur building). **Chair:** Josef Malek

1. Didier Bresch : *Global existence of weak solutions for Navier-Stokes Equations with thermodynamically unstable pressure and anisotropic viscous stress*
 2. Eduard Feireisl : *Mathematical models of viscous, heat conducting fluids*
 3. Edriss Titi : *Recent advances concerning the three-dimensional primitive equations of atmospheric and oceanic dynamics*
 4. Miroslav Bulicek : *Large data analysis for the Kolmogorov two-equation model of turbulence*
-

• **MS15 - PDE analysis of three-dimensional fluid flow - 2**

Thursday 16:30-18:30 (Amphi 5 - Déambulateur building). **Chair:** Endre Suli

1. Anne-Laure Dalibard : *Separation for the stationary Prandtl equation*
 2. Matthias Köhne : *On a class of dynamic outflow boundary conditions for incompressible Newtonian flows*
 3. David Gérard-Varet : *Effect of an irregular boundary on a rotating flow*
 4. Antonin Novotny : *Error estimates for the compressible Navier-Stokes equations*
-

• **MS16 - PDE-constrained Bayesian Inverse Problems and Data Assimilation - 1**

Tuesday 14:00-16:00 (Amphi 8 - Thémis building). **Chair:** Dan Crisan

1. John Harlim : *Diffusion Forecast: A nonparametric modeling*
 2. Jochen Broecker : *On the probabilistic interpretation of variational data assimilation*
 3. David Kelly : *Stability of the Ensemble Kalman Filter*
 4. Hakon Hoel : *Multilevel ensemble Kalman filtering*
-

- **MS16 - PDE-constrained Bayesian Inverse Problems and Data Assimilation - 2**

Tuesday 16:30-18:30 (Amphi 8 - Thémis building). **Chair:** Marco A. Iglesias

1. Nikolas Kantas : *Sequential Monte Carlo Methods for High-Dimensional Inverse Problems*
 2. Patrick Conrad : *Probability Measures on Numerical Solutions of ODEs and PDEs for Uncertainty Quantification and Inference*
 3. Dan Crisan : *Inverse problems for stochastic transport equations*
-

- **MS16 - PDE-constrained Bayesian Inverse Problems and Data Assimilation - 3**

Wednesday 10:30-12:30 (Amphi 8 - Thémis building). **Chair:**

1. Alessio Spantini : *High Dimensional Non-Gaussian Bayesian Inference with Transport Maps*
 2. Marco Iglesias : *A Bayesian level-set approach for geometric inverse problems*
 3. Frederic Legoll : *A parameter identification problem for random heterogeneous materials*
 4. Claudia Schillings : *Analysis of the Ensemble Kalman Filter for Inverse Problems*
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- **MS17 - Singularities in the Calculus of Variations and PDE - 1**

Wednesday 10:30-12:30 (Amphi 3 - Déambulateur building). **Chair:** Lia Bronsard

1. Petru Mironescu : *Detecting phase defaults of circle-valued maps*
 2. Rémy Rodiac : *Stationary harmonic functions whose Laplacian is a Radon measure*
 3. Pierre Bochard : *Caractérisation cinétique des vortex*
 4. Christof Melcher : *Topological solitons in chiral magnetism*
-

- **MS17 - Singularities in the Calculus of Variations and PDE - 2**

Thursday 14:00-16:00 (Amphi 3 - Déambulateur building). **Chair:** Petru Mironescu

1. Didier Smets : *On the leapfrogging phenomenon in fluid mechanics*
 2. Maria Westdickenberg : *Optimal convergence rates via distance, energy, and dissipation*
 3. Michael Gelantalis : *Critical points of the Cahn-Hilliard Energy in a critical regime*
 4. Vincent Millot : *The fractional Allen-Cahn equation and nonlocal minimal surfaces*
-

- **MS17 - Singularities in the Calculus of Variations and PDE - 3**

Thursday 16:30-18:30 (Amphi 3 - Déambulateur building). **Chair:** Maria Westdickenberg

1. Itai Shafrir : *Asymptotic Behavior of Critical Points of Energy Involving ‘Circular Well’ Potential*
2. Tiziana Giorgi : *Sawtooth profile in smectic A liquid crystals*
3. Dmitry Golovaty : *Dimension reduction for the Landau-de Gennes model in nematic thin films.*

4. Xavier Lamy : *Nematic colloids and defects*

• **MS18 - Spectral Properties of Hyperbolic Dynamical Systems - 1**

Tuesday 14:00-16:00 (Amphi 3 - Déambulatoire building). **Chair:** Colin Guillarmou

1. Viviane Baladi : *Exponential decay of correlations for Sinai billiard flows*
 2. Tobias Weich : *Weighted zeta functions for Anosov flows*
 3. Maxime Ingremeau : *Distorted plane waves in chaotic scattering*
 4. Frederic Naud : *Ruelle spectrum of Analytic circle maps*
-

• **MS18 - Spectral Properties of Hyperbolic Dynamical Systems - 2**

Tuesday 16:30-18:30 (Amphi 3 - Déambulatoire building). **Chair:** Gabriel Riviere

1. Roman Schubert : *Spreading and Equidistribution of propagated coherent states on hyperbolic surfaces.*
 2. Yannick Bonthonneau : *Where are the resonances of negatively curved cusp surfaces ?*
 3. Pierre Vidotto : *Counting in infinite measure*
 4. Frederic Faure : *Discrete band spectrum and zeta functions for geodesic flow on negative curvature manifold*
-

• **MS19 - Stability of Nonlinear Waves - 1**

Tuesday 14:00-16:00 (Amphi 4 - Déambulatoire building). **Chair:** Kevin Zumbrun

1. Blake Barker : *Numerical stability analysis for thin film flow*
 2. Mathew Johnson : *Stability of Viscous Roll Waves*
 3. Rafael Monteiro Da Silva : *Transverse steady bifurcation of viscous shock solutions of a system of parabolic conservation laws*
 4. Matt Holzer : *Anomalous spreading in a system of coupled Fisher-KPP equations*
-

• **MS19 - Stability of Nonlinear Waves - 2**

Tuesday 16:30-18:30 (Amphi 4 - Déambulatoire building). **Chair:** Margaret Beck

1. Jacob Bedrossian : *Dynamics near the subcritical transition of the 3D Couette flow*
 2. Martina Chirilus-Bruckner : *Creating a spectral gap through inverse spectral theory*
 3. Robert Marangell : *A Geometric Approach to Counting Eigenvalues*
 4. Stephen Schecter : *Concatenated traveling waves*
-

• **MS20 - Statistical Properties of Dynamical Systems - 1**

Monday 14:00-16:00 (Amphi 3 - Déambulatoire building). **Chair:** Viviane Baladi

1. Oliver Butterley : *Open Sets of Axiom A Flows with Exponentially Mixing Attractors*
2. Rafael De La Llave : *Conformally symplectic systems*
3. Jacopo De Simoi : *Local Central Limit Theorem in fast-slow partially hyperbolic dynamical systems*

4. Gerhard Keller : *Stability index, uncertainty exponent and thermodynamic formalism for intermingled basins of chaotic attractors*
-

• MS20 - Statistical Properties of Dynamical Systems - 2

Monday 16:30-18:30 (Amphi 3 - Déambulateur building). **Chair:** Ian Melbourne

1. Matthew Nicol : *Almost sure invariance principles for sequential and non-stationary dynamical systems*
 2. Dalia Terhesiu : *Non trivial limit distributions for systems with holes*
 3. Damien Thomine : *Potential kernel, hitting probabilities and limit theorems for Abelian extensions of dynamical systems*
 4. Mike Todd : *Hitting time laws in dynamical systems*
-

• MS21 - Stochastic Dynamics - 1

Wednesday 10:30-12:30 (Amphi 4 - Déambulateur building). **Chair:** Ale Jan Homburg

1. Nils Berglund : *On FitzHugh-Nagumo SDEs and SPDEs*
 2. Dirk Blömker : *Approximate Slow Manifolds and Interface Motion for Stochastic PDEs*
 3. Davit Martirosyan : *Large deviations*
 4. Tomás Caraballo : *Random dynamical systems generated by stochastic lattices*
-

• MS21 - Stochastic Dynamics - 2

Thursday 14:00-16:00 (Amphi 4 - Déambulateur building). **Chair:** Hans Crauel

1. Andrew Duncan : *Brownian Motion in a Multiscale Potential*
 2. Benjamin Gess : *Synchronization by noise for order-preserving random dynamical systems*
 3. Martin Rasmussen : *A random and set-valued dynamical systems perspective on critical transitions*
 4. Peter Kloeden : *Mean-square random dynamical systems and mean-square dichotomies*
-

• MS22 - Stochastic PDEs - 1

Monday 14:00-16:00 (Amphi 4 - Déambulateur building). **Chair:** Arnaud Debussche

1. Sandra Cerrai : *SPDEs on narrow domains and on graphs: an asymptotic approach*
 2. Julien Vovelle : *Some recent results on stochastic kinetic equations*
 3. Martina Hofmanova : *Stochastic Navier-Stokes Equations for Compressible Fluids*
 4. Marco Romito : *Densities for the Navier-Stokes equations with noise*
-

• MS22 - Stochastic PDEs - 2

Monday 16:30-18:30 (Amphi 4 - Déambulateur building). **Chair:** Franco Flandoli

1. Benjamin Gess : *Stochastic scalar conservation laws*
2. Lisa Beck : *Regularization by noise for the stochastic transport equation*
3. Yvain Bruned : *Renormalisation Group in Regularity Structures*

4. Nicolas Perkowski : *Weak universality of the parabolic Anderson model*

• **MS23 - Stochastic Homogenization - 1**

Tuesday 14:00-16:00 (Amphi 9 - Thémis building). **Chair:** Antoine Gloria

1. Mitia Duerinckx : *The Clausius-Mossotti formulas and beyond*
 2. William Minvielle : *A selection approach in stochastic homogenization: Special Quasirandom Structures*
 3. Stefan Neukamm : *A regularity theory for elliptic systems with random coefficients*
 4. Jessica Lin : *On the Stochastic Homogenization of Parabolic Equations*
-

• **MS23 - Stochastic Homogenization - 2**

Tuesday 16:30-18:30 (Amphi 9 - Thémis building). **Chair:** Scott Armstrong

1. Jean-Christophe Mourrat : *Describing the fluctuations in stochastic homogenisation*
 2. Yu Gu : *A pointwise two-scale expansion for equations with random coefficients*
 3. Jean-Dominique Deuschel : *Quenched local CLT for symmetric diffusions in a degenerate random environment*
 4. Pierre Mathieu : *Individual invariance principles for degenerate diffusions in a periodic potential.*
-

• **MS24 - Swarming and Collective Behavior: From Theory to Experiment - 1**

Monday 14:00-16:00 (Amphi 9 - Thémis building). **Chair:** Andrew Bernoff

1. Maria D'Orsogna : *Three-dimensional swarming states induced by hydrodynamic interactions*
 2. Chad Topaz : *Topological data analysis of biological aggregation models*
 3. Ryan Lukeman : *The dynamics of synchronous human clapping: from experiment to model*
 4. Nicholas Ouellette : *Driving and Response in Insect Swarms*
-

• **MS24 - Swarming and Collective Behavior: From Theory to Experiment - 2**

Monday 16:30-18:30 (Amphi 9 - Thémis building). **Chair:** Chad Topaz

1. Katy Craig : *A blob method for the aggregation equation and Gamma-convergence of regularized nonlocal interaction energies*
 2. Yanghong Huang : *Exact and asymptotic steady states of aggregation equations with power-law potentials*
 3. Martin Short : *Contagion Shocks in One Dimension*
 4. Razvan Fetecau : *Anisotropic interactions in a first-order aggregation model*
-

• **MS25 - Topological Methods in Differential Equations - 1**

Tuesday 14:00-16:00 (Amphi 10 - Thémis building). **Chair:** Luisa Malaguti

1. Wojciech Kryszewski : *The generalized version of the Miranda theorem with applications*

2. Valeri Obukhovskii : *On Some New Applications of the Guiding Functions Method*
 3. Irene Benedetti : *On non compact fractional order differential inclusions with generalized boundary conditions and impulses*
 4. Grzegorz Gabor : *Dirichlet problem in billiard spaces*
-

• **MS25 - Topological Methods in Differential Equations - 2**

Tuesday 16:30-18:30 (Amphi 10 - Thémis building). **Chair:** Valeri Obukhovskii

1. Ioan Vrabie : *Delay evolution equations with measures and nonlocal initial conditions*
 2. Martin Väth : *Stability of semilinear parabolic systems in L_2 and $W^{1,2}$*
 3. Valentina Taddei : *Nonlocal problem in Hilbert spaces*
 4. Kentarou Yoshii : *Nonlocal solutions of hyperbolic type equations*
-

• **MS26 - Water waves - 1**

Monday 14:00-16:00 (Amphi 10 - Thémis building). **Chair:** David Lannes

1. Vincent Duchêne : *The small density contrast limit for multilayer shallow water systems*
 2. Thomas Alazard : *Control of water waves*
 3. Angel Castro : *Splash singularities for the free boundary Navier-Stokes equations*
 4. Frédéric Rousset : *Incompressible limit for the free surface Navier-Stokes equations*
-

• **MS26 - Water waves - 2**

Monday 16:30-18:30 (Amphi 10 - Thémis building). **Chair:** Erik Wahlen

1. Mats Ehrnstrom : *On Whitham's conjecture of a highest cusped wave for a nonlocal shallow water wave equation*
 2. Eugen Varvaruca : *Global bifurcation of steady gravity water waves with critical layers*
 3. Mark Groves : *Spatial dynamics methods for axisymmetric solitary waves on a ferrofluid jet*
 4. Wolf-Patrick Duell : *Validity of the KdV and the NLS approximation for the water wave problem*
-

Contributed talks sessions

- **CT1 - Incompressible fluids**

Monday 14:00-16:00 (Amphi 11 - Thémis building). **Chair:** Dragos Iftimie

1. Julien Guillod : *On the two-dimensional stationary Navier-Stokes equations*
 2. Juan Gutierrez-Santacreu : *Convergence analysis of the Navier-Stokes-alpha equations on bounded domains*
 3. Yutaka Tsuzuki : *Existence and uniqueness for heat equations with hysteresis coupled with Navier-Stokes equations in 2D and 3D domains*
 4. Aneta Wroblewska-Kaminska : *Wall law for a non-Newtonian incompressible fluid flow over an oscillating surface*
-

- **CT2 - Evans functions**

Monday 14:00-16:00 (Amphi 5 - Déambulatoire building). **Chair:** Miguel Rodrigues

1. Bjorn De Rijk : *Slow-fast factorization of the Evans function via the Riccati transformation*
 2. Anna Ghazaryan : *Stability analysis for combustion fronts traveling in hydraulically resistant porous media*
 3. Andreas Kläiber : *Spectral stability of internal solitary waves in continuously stratified fluids*
 4. Vahagn Manukian : *Stability of front solutions in a model for a surfactant driven flow on an inclined plane*
-

- **CT3 - Minimizers in elliptic theory**

Monday 14:00-16:00 (Room 58 - Thémis building). **Chair:** Louis Dupaigne

1. Naoki Shioji : *A critical problem for fractional Laplacians in contractible domains*
 2. Ryuji Kajikiya : *Symmetric mountain pass lemma and sublinear elliptic equations*
 3. Matteo Muratori : *Symmetry results for a family of Caffarelli-Kohn-Nirenberg inequalities*
-

- **CT4 - ODEs and applications**

Monday 14:00-16:00 (Room 69 - Thémis building). **Chair:** Carlos Rocha

1. Rodica Luca Tudorache : *Positive solutions for a system of fractional differential equations with coupled integral boundary conditions*

2. Wojciech Mydlarczyk : *Existence and blowing up character of solutions to Volterra type integral equations related to ordinary differential equations with monotonic nonlinearities*
 3. Andrew Toon : *Differential Equations of Protein Folding Pathways*
 4. Tomoyuki Tanigawa : *Existence and asymptotic behavior of strongly monotone solutions of nonlinear differential equations*
-

• CT5 - Compressible Navier-Stokes equations

Monday 16:30-18:30 (Amphi 2 - Déambulatoire building). **Chair:** Didier Bresch

1. Boris Haspot : *New formulation of the compressible Navier-Stokes system with degenerate viscosity coefficient and the highly compressible limit*
 2. Sarka Necasova : *Inviscid incompressible limits on expanding domains*
 3. Milan Pokorny : *On the steady compressible Navier–Stokes–Fourier system with temperature dependent viscosities*
 4. Ewelina Zatorska : *Two-velocity formulation of the degenerate Navier-Stokes equations*
-

• CT6 - Solitary and periodic waves

Monday 16:30-18:30 (Amphi 11 - Thémis building). **Chair:** Didier Smets

1. Mathias Arnesen : *Existence of solitary-wave solutions to nonlocal equations*
 2. Angel Duran : *Numerical Approximation of Solitary waves in the Benjamin-Ono and the Intermediate Long Wave systems*
 3. Anna Geyer : *On the wave length of smooth periodic traveling waves of the Camassa-Holm equation*
 4. Emmanuel Yomba : *Multi-solitons interaction with higher nonlinearity effects in an extended Schrödinger equation*
-

• CT7 - Nodal solutions in elliptic equations

Monday 16:30-18:30 (Amphi 5 - Déambulatoire building). **Chair:** Ryuji Kajikiya

1. Lukas Döring : *Reduced models for domain walls in soft ferromagnetic films*
 2. Marta Garcia-Huidobro : *Multiplicity results for sign changing bound state solutions of a semilinear equation*
 3. Paolo Musolino : *Singular perturbation problems in perforated domains*
 4. Satoshi Tanaka : *Uniqueness of sign-changing radial solutions for scalar field equations in some ball and annulus*
-

• CT8 - Geometry and dynamical systems

Monday 16:30-18:30 (Room 58 - Thémis building). **Chair:** Simon Masnou

1. Nelia Charalambous : *The Weyl Criterion for the Spectrum*
2. Marina Gonchenko : *On bifurcations of area-preserving maps with quadratic homoclinic tangencies on non-orientable surfaces*
3. Carlos Rocha : *Sturm global attractors as regular CW-complexes*
4. Laurent Stolovitch : *Holomorphic normal form of nonlinear perturbations of nilpotent vector fields*

- **CT9 - Kinetic equations**

Monday 16:30-18:30 (Room 69 - Thémis building). **Chair:** Claude Bardos

1. Esther Daus : *Hypocoercivity for a linearized multi-species Boltzmann system*
 2. Hung-Wen Kuo : *Equilibrating effect of Maxwell-type boundary condition in highly rarefied gas*
 3. Mikhail Lavrentyev : *Recent results on the Kuramoto–Sakaguchi equation*
 4. Seok-Bae Yun : *A positive decomposition of the entropy production for the ellipsoidal BGK model*
-

- **CT10 - Existence and regularity for elliptic equations**

Tuesday 14:00-16:00 (Amphi 11 - Thémis building). **Chair:** Petru Mironescu

1. Giovanni Alberti : *Elliptic regularity theory applied to time harmonic Maxwell's equations*
 2. Roberta D'Ambrosio : *Some weighted estimates for elliptic operators with singular data*
 3. Felix Sadyrbaev : *Quasilinearization and resonant boundary value problems*
 4. Bianca Stroffolini : *Glimpses on Lipschitz truncations and regularity*
-

- **CT11 - Blow-up techniques in dynamical systems**

Tuesday 14:00-16:00 (Amphi 5 - Déambulatoire building). **Chair:** Peter Szmolyan

1. Paul Carter : *Pulses with oscillatory tails in the FitzHugh-Nagumo system*
 2. John Hogan : *Regularization of planar piecewise smooth two-folds*
 3. Christian Kuehn : *Multiscale Oscillations in the Olsen Model*
 4. Johannes Waechtler : *Existence of Chapman-Jouguet detonation and deflagration waves*
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- **CT12 - Applied dynamical systems**

Tuesday 14:00-16:00 (Room 58 - Thémis building). **Chair:** Hiroshi Kokubu

1. Jongmin Han : *Dynamical bifurcation and final patterns for fourth order phase transition equations*
 2. Stefan Liebscher : *Bifurcation without parameters*
 3. Renata Lukasiak : *Periodic solutions for parabolic equations on R^N*
 4. Vesna Zupanovic : *Characteristic box dimension of Poincaré map of nilpotent focus*
-

- **CT13 - Dynamics of dispersive equations**

Tuesday 14:00-16:00 (Room 69 - Thémis building). **Chair:** Lorenzo Brandolese

1. Primitivo Acosta-Humanez : *Galoisian Analysis of Schrödinger Equations with Generalized Lennard-Jones Potentials*
2. Nilay Duruk Mutlubas : *Some Qualitative Properties of a Fractional-type Camassa-Holm Equation*
3. Albert Erkip : *Validity of the Camassa-Holm equation for elastic waves*

4. Rafael Granero Belinchón : *On two nonlocal equations showing chaotic behaviour*

• **CT14 - Qualitative theory of elliptic equations**

Tuesday 16:30-18:30 (Amphi 11 - Thémis building). **Chair:** Frédéric Robert

1. Filomena Feo : *A comparison result for solutions of anisotropic elliptic problems via symmetrization*
 2. Pier Lamberti : *A few domain perturbation problems for the eigenvalues of the Reissner-Mindlin system*
 3. Yuki Naito : *Separation structure of positive radial solutions for semilinear elliptic equations*
-

• **CT15 - Structured models**

Tuesday 16:30-18:30 (Amphi 5 - Déambulatoire building). **Chair:** Horst Thieme

1. Nobuyuki Kato : *Partial Differential Equations in Banach Lattices Related to Size-Structured Population Models*
 2. Lara Trussardi : *A kinetic equation for modelling irrationality and herding effects*
 3. Radoslaw Wieczorek : *A nonlinear age-structured model of semelparous species*
 4. Enes Yilmaz : *Almost Periodicity of State-dependent Impulsive Neural Networks*
-

• **CT16 - Chemotaxis equations**

Tuesday 16:30-18:30 (Room 58 - Thémis building). **Chair:** Hatem Zaag

1. Kentarou Fujie : *Preventing blow-up in the 2D chemotaxis system by decaying signal-dependent sensitivity*
 2. Sachiko Ishida : *Global existence in a 2D semilinear chemotaxis-Navier-Stokes system with position sensitivity under the small initial data*
 3. Tomomi Yokota : *Global existence and boundedness in a quasilinear degenerate Keller-Segel system*
 4. Noriaki Yoshino : *Existence of weak solutions to a parabolic-elliptic Keller-Segel system with nonlinear degenerate diffusion*
-

• **CT17 - Degenerate evolution PDEs**

Tuesday 16:30-18:30 (Room 69 - Thémis building). **Chair:** Maria Westdickenberg

1. Akisato Kubo : *Nonlinear evolution equations arising from mathematical biology and medicine*
 2. Demian Goos : *On some new properties of the solution to an initial-boundary-value problem for the time-fractional diffusion equation with $\alpha \in (0, 2)$*
 3. Hiroshi Watanabe : *Solvability of some degenerate parabolic equations with convective terms*
 4. Takeshi Fukao : *Cahn-Hilliard approach to Stefan problem with dynamic boundary condition and related topics*
-

• **CT18 - Oscillation theory in ODEs**

Wednesday 10:30-12:30 (Amphi 5 - Déambulatoire building). **Chair:** Jens Starke

1. Alexander Domoshnitsky : *Stability of delay differential systems*
 2. Luca Bisconti : *Harmonic perturbations with delay of periodic separated variables differential equations*
 3. Gaetano Zampieri : *On local and nonlocal variational constants of motion*
 4. Oskar Sultanov : *White noise perturbation of the autoresonance model*
-

• CT19 - Long-time behavior in evolution PDEs

Wednesday 10:30-12:30 (Amphi 10 - Thémis building). **Chair:** Donatella Donatelli

1. Moon-Jin Kang : *Criteria on contraction of admissible discontinuities for the systems of conservation laws*
 2. Yong Lu : *Long time behavior of the quadratic Klein-Gordon equation in the non-relativistic limit regime*
 3. Joseph Shomberg : *Attractors for Damped Semilinear Wave Equations with a Robin-Acoustic Boundary Perturbation*
 4. Juliette Bouhours : *Bistable reaction-diffusion equations and propagation properties in unbounded domains*
-

• CT20 - Numerical analysis

Wednesday 10:30-12:30 (Amphi 11 - Thémis building). **Chair:** Morgane Bergot

1. Handan Borluk : *Convergence of a Spectral Method for Improved Boussinesq Equation*
 2. Dominic Breit : *Non-Newtonian fluids under random influences*
 3. Pieter Collins : *Validated Function Calculus for the Rigorous Solution of Differential Equations*
 4. Barbara Zubik-Kowal : *Convergence properties of numerical solutions for nonlinear integro-differential equations.*
-

• CT21 - Dynamical systems

Wednesday 10:30-12:30 (Room 58 - Thémis building). **Chair:** Mike Todd

1. Masoumeh Gharaei : *Skew products of interval maps over sub-shifts*
 2. Mickael Kourganoff : *Planar linkages, geodesic flows, billiards and chaos*
 3. Arnaud Meyroneinc : *On the Asymptotic Properties of Piecewise Contracting Maps*
 4. Dmitry Todorov : *Shadowing and stochastic stability*
-

• CT22 - Internal and surface waves in fluids

Thursday 14:00-16:00 (Amphi 11 - Thémis building). **Chair:** Vincent Duchêne

1. Tae-Chang Jo : *Strongly nonlinear internal wave model in a three-layer fluid system*
 2. Evgeniy Lokharu : *Uniqueness and stability results on steady water waves with vorticity*
 3. Ilya Simanovskii : *Standing and Traveling Waves in Two-Layer Systems with Heat Release/Consumption at the Interface*
 4. Hiroki Ueno : *A Mathematical Justification of the Thin Film Approximation for the Flow down an Inclined Plane*
-

- **CT23 - Discrete systems**

Thursday 14:00-16:00 (Room 58 - Thémis building). **Chair:** Sinisa Slijepcevic

1. Bastien Fernandez : *Breaking of Ergodicity in Expanding Systems of Globally Coupled Piecewise Affine Circle Maps*
 2. Petr Hasil : *Critical oscillation constants for half-linear differential and difference equations*
 3. Rudy Kusdiantara : *The discrete Swift-Hohenberg equation*
 4. Volker Reitmann : *Stability and bifurcation investigation of discrete-time nonlinear systems by realization theory methods*
-

- **CT24 - Multi-scale dynamical systems**

Thursday 14:00-16:00 (Room 69 - Thémis building). **Chair:** Martina Chirilus-Bruckner

1. Gary Froyland : *A trajectory-free framework for analysing multiscale systems*
 2. Ilona Kosiuk : *Dynamics of bipolar disorders model: periodic and switching phenomenon*
 3. Edgar Knobloch : *Localized States in Periodically Forced Systems*
 4. Annalisa Iuorio : *Multi-scale Dynamics in Microstructures*
-

- **CT25 - General relativity**

Thursday 16:30-18:30 (Amphi 4 - Déambulatoire building). **Chair:** Jacques Smulevici

1. Joao Costa : *On strong cosmic censorship with a cosmological constant.*
 2. Ho Lee : *Global properties of solutions to the Einstein-Boltzmann system with Bianchi I symmetry*
 3. Tetu Makino : *Spherically symmetric solutions to the Euler-Poisson equations and the Einstein-Euler equations*
-

- **CT26 - Models in continuum mechanics**

Thursday 16:30-18:30 (Amphi 10 - Thémis building). **Chair:** Grégory Vial

1. Toyohiko Aiki : *Continuous dependence of solutions to the free boundary problem describing adsorption phenomena on boundary data*
 2. Mikhail Cherdantsev : *Everywhere discontinuous anisotropy of thin periodic composite plates*
 3. Vuk Milisic : *Mathematical modelling of cell adhesion forces : from delay to friction, an instantaneous limit.*
 4. Dimitri Puhst : *Existence results to the nonlinear peridynamic model in nonlocal elastodynamics*
-

- **CT27 - Regularity for evolution PDEs**

Thursday 16:30-18:30 (Amphi 11 - Thémis building). **Chair:** Julien Vovelle

1. Rainer Brunnhuber : *Optimal regularity and long-time behavior of solutions for the Blackstock-Crighton equation*

2. Diego Chamorro : *Fractional operators with singular drift: Smoothing properties and Morrey-Campanato spaces*
 3. Eugenia Petropoulou : *Analytic solutions of a class of nonlinear partial differential equations*
 4. Hidetoshi Tahara : *Lifespan of solutions to nonlinear Cauchy problems with small analytic data*
-

• CT28 - Inverse problems

Thursday 16:30-18:30 (Room 58 - Thémis building). **Chair:** Belhassen Dehman

1. Rakia Malek : *Geometric inverse problem for non-stationary Stokes system*
 2. Mourad Hrizi : *Topological sensitivity applied to cavity reconstruction from elasticity linear surface measurements and Kohn-Vogelius formulation*
 3. Domingo Tarzia : *Determination of one unknown thermal coefficient through the one-phase fractional Stefan problem*
-

• CT29 - Variational approach of evolution PDEs

Wednesday 10:30-12:30 (Room 69 - Thémis building). **Chair:** Thomas Bartsch

1. Nobuyuki Kenmochi : *Abstract existence result for parabolic quasi-variational inequalities*
 2. Sinisa Slijepcevic : *Arnold's diffusion and formally gradient dynamics of the action functional*
 3. Dmitry Vorotnikov : *Otto calculus for measures of variable mass and a model from spatial ecology*
 4. Noriaki Yamazaki : *Singular limit of Allen-Cahn equation with constraints and dynamic boundary condition and its Lagrange multiplier*
-

• CT30 - Ideal fluid equations

Friday 14:00-16:00 (Amphi 11 - Thémis building). **Chair:** Sarka Necasova

1. Davide Catania : *Weak stability for the 2D plasma-vacuum interface problem*
 2. Kyungwoo Song : *Sonic lines arising from 2-D Riemann problems of the compressible Euler system*
 3. Paola Trebeschi : *Approximate current-vortex sheets near the onset of instability*
 4. Christian Zillinger : *Linear inviscid damping for monotone shear flows*
-

• CT31 - Shock waves and propagation

Friday 14:00-16:00 (Amphi 3 - Déambulatoire building). **Chair:** Thierry Gallay

1. Marta Strani : *Asymptotic behavior of interfaced solutions to parabolic equations*
 2. Masashi Ohnawa : *L^∞ -stability of traveling waves to a hyperbolic-elliptic coupled system*
 3. Triveni Shukla : *Weakly nonlinear waves in non-ideal fluids*
-

• CT32 - Stochastic equations

Friday 14:00-16:00 (Amphi 4 - Déambulatoire building). **Chair:** Barbara Gentz

1. Ismael Bailleul : *Rough flows and homogenization in fast-slow dynamics*
 2. Giuseppe Cannizzaro : *SDEs with distributional drift and Polymer measure*
 3. Ennio Fedrizzi : *Regularization by noise for transport and kinetic equations*
 4. Julian Fischer : *A higher-order large-scale regularity theory for random elliptic operators*
-

• **CT33 - Fluid models**

Friday 14:00-16:00 (Amphi 5 - Déambulatoire building). **Chair:** Milan Pokorný

1. Kota Kumazaki : *A mathematical model describing concrete carbonation process*
 2. Boris Muha : *Existence of a weak solution to a fluid-elastic structure interaction problem with the slip boundary condition*
 3. Yusuke Murase : *Solvability of mathematical model for brewing process of Japanese Sake and its numerical simulations*
 4. Ken Shirakawa : *Energy dissipations for non-isothermal models of grain boundary motions*
-

Posters

Tuesday 10:30-11:30 (Déambulatoire hall).

- Svetlana Atslega : *On attractors of a differential system arising in the network control theory*
- Chaouchi Belgacem : *Resolution in Little Hölder Space of a Mixed Boundary Value Problem Set on Cusp Domain.*
- Mariusz Bodzioch : *Behavior of strong solutions to the oblique derivative problem for elliptic linear and quasilinear equations in a domain with boundary conical point*
- Mario Bukal : *A family of fourth-order porous medium equations*
- Davide Buoso : *Shape differentiability of the eigenvalues of the biharmonic operator*
- Abdennasser Chekroun : *Traveling wave fronts in a coupled delayed reaction-diffusion and difference system*
- Alexander Chesnokov : *Viscosity-stratified flow in a Hele-Shaw cell*
- Maria Chiricotto : *Droplets spreading under contact line friction*
- Jacek Cyranka : *A construction of two different solutions to an elliptic system*
- Thomas De Jong : *Modelling fungal hyphae growth: searching for travelling waves in an extension of the thin viscous sheet equations.*
- Hanene Debbiche : *Unsteady non-isothermal and non-Newtonian flow problem with mixed boundary conditions*
- Ivan Drazic : *3-D flow of a compressible viscous micropolar fluid with cylindrical symmetry: a local existence theorem*
- Francesco Ferrareso : *On the appearance of gaps in the spectrum of a Dirichlet problem in a double-periodic perforated plane*
- Valery Gaiko : *Bifurcations and applications of low-dimensional polynomial dynamical systems*
- Manuel Gnann : *Well-posedness and regularity for a class of thin-film free boundary problems*
- Anatoli Ivanov : *Solution dynamics in a class of differential delay equations*
- Risei Kano : *The existence of solutions for the perfect plasticity model with time dependent constraints*
- Thomas Kassebacher : *Adaptive time-splitting methods for nonlinear Schrödinger equations in the semiclassical regime*
- Dongnam Ko : *Emergence of bi-cluster flocking for the Cucker-Smale model*
- Stanislav Kondratyev : *On the bulk velocity of Brownian ratchets*
- Kristian Kristiansen : *Regularization of piecewise smooth border-collision bifurcations*
- Eric Kwok : *Dynamic Isoperimetry on Weighted Manifolds*
- Pilar Lorenzo : *Dynamics of cooperative neuronal networks depending on their associated graphs.*

- Kazuki Maeda : *Control and observation of gene regulatory networks by minimal number of molecules*
- Stepan Manko : *Spectral properties of magnetic graphs*
- Colin Mietka : *Numerical investigations on the stability of periodic waves*
- Piotr Minakowski : *Existence result to the rate type fluid model arising from crystal plasticity*
- Sara Monsurro : *A potential estimates approach to a priori estimates for elliptic equations*
- Junya Nishiguchi : *Asymptotic stability of constant solutions in delay differential equations with a constant delay and transcendental equations with complex coefficients*
- Hirokazu Ohya : *Segregation phenomena for some population models with three species*
- Takashi Okada : *Perturbation-response relation and network topology in biochemical reaction systems*
- Ozlem Orhan : *Application of Extended Prelle-Singer Method for the Second-Order Ordinary Differential Equations*
- Ashraf Owis : *Feedback Optimal Control of Low-thrust Orbit Transfer in Central Gravity Field*
- Jinyeong Park : *Emergence of phase-locked states for the Winfree model in a large coupling regime*
- M Rosaria Posteraro : *Quantitative isoperimetric inequalities for log-convex probability measures on the line.*
- Luigi Provenzano : *On the eigenvalues of Steklov-type problems*
- Nikolaos Roidos : *The porous medium equation on manifolds with conical singularities*
- Helena Samajova : *Systems of two delayed nonlinear equations*
- Naoki Sato : *On the existence of periodic solutions to a free boundary problem for adsorption phenomenon*
- Mustafa Sayli : *Robustness analysis of discontinuous neural networks*
- Polina Shpartko : *Modelling of spin-polarized transport in semiconductors*
- Jakub Siemianowski : *Krasnosel'skii Formula for constrained semilinear differential inclusion*
- Dorota Bors : *Global Invertibility and Implicit Function Theorems by Mountain Pass Theorem*
- Yuusuke Sugiyama : *Degeneracy in finite time of 1D quasilinear wave equations*
- Katarzyna Szymanska-Debowska : *Solutions for nonlinear systems on unbounded domains with p -Laplacian-like operators*
- Hiroyuki Usami : *Asymptotic behavior of positive solutions of a kind of Lanchester-type system*
- Nicola Vassena : *Monomolecular reaction networks: a new proof of flux transitivity*
- Michal Vesely : *Non-almost periodic and non-asymptotically almost periodic solutions of limit periodic and almost periodic difference systems*
- Domagoj Vlah : *Oscillatory Integrals and Fractal Dimension*
- Anja Vrbaski : *Linearized fully homogenized model for incompressible two-phase flow in double porosity media*
- Masakazu Yamamoto : *Asymptotic behavior of solutions to the drift-diffusion equation with critical dissipation*
- Hiroshi Yamazawa : *q -Analogue of summability of formal solutions of linear q -difference-differential equations*
- Dominik Zimmermann : *The Ginzburg-Landau Justification in the Quasilinear Case*
- Victor Zvyagin : *About attractors for 3D Bingham model*

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 CT30 speaker, Friday 16, 39
 Cerrai, S.
 IT5 chair, Wednesday 18
 MS22 speaker, Monday 8, 29
 Chamorro, D.
 CT27 speaker, Thursday 14, 39
 Charalambous, N.
 CT8 speaker, Monday 8, 34
 Chekroun, A.
 poster, Tuesday 41
 Chen, K.-C.
 MS1 speaker, Friday 16, 19
 Cherdantsev, M.
 CT26 speaker, Thursday 14, 38
 Cheskidov, A.
 MS6 speaker, Tuesday 10, 21
 Chesnokov, A.
 poster, Tuesday 41
 Chiba, H.
 MS3 speaker, Wednesday 12, 20
 Chiricotto, M.
 poster, Tuesday 41
 Chirilus-Bruckner, M.
 CT24 chair, Thursday 14, 38
 MS19 speaker, Tuesday 10, 28
 Collins, P.
 CT20 speaker, Wednesday 12, 37
 Colorado, E.
 MS13 speaker, Friday 16, 25
 Conrad, P.
 MS16 speaker, Tuesday 10, 27
 Cordoba, D.
 MS6 speaker, Tuesday 21
 Costa, J.
 CT25 speaker, Thursday 14, 38
 Coti Zelati, M.
 MS6 speaker, Tuesday 10, 21
 Craig, K.
 MS24 speaker, Monday 8, 30
 Crauel, H.
 MS21 chair, Thursday 14, 29
 Crippa, G.

MS6 speaker, Tuesday 10, 21
 Crisan, D.
 MS16 chair, Tuesday 10, 26
 MS16 speaker, Tuesday 10, 27
 Cuadrado, S.
 MS4 speaker, Monday 8, 20
 Cyranka, J.
 poster, Tuesday 41

D

D'Ambrosio, R.
 CT10 speaker, Tuesday 10, 35
 D'Aprile, T.
 MS12 speaker, Thursday 14, 24
 D'Orsogna, M.
 MS24 speaker, Monday 8, 30
 Döring, L.
 CT7 speaker, Monday 34
 Dai, M.
 MS6 speaker, Tuesday 10, 21
 Dalibard, A.-L.
 MS15 speaker, Thursday 14, 26
 Damanik, D.
 MS8 chair, Thursday 14, 22
 Dankowicz, H.
 MS2 speaker, Thursday 14, 19
 Daus, E.
 CT9 speaker, Monday 8, 35
 De Jong, T.
 poster, Tuesday 41
 De La Llave, R.
 MS20 speaker, Monday 28
 de la Llave, R.
 MS20 speaker, Monday 8
 De Marchis, F.
 MS12 speaker, Friday 16, 25
 De Rijk, B.
 CT2 speaker, Monday 8, 33
 De Simoi, J.
 MS20 speaker, Monday 28
 de Simoi, J.
 MS20 speaker, Monday 8
 Dean, A.
 MS9 speaker, Thursday 14, 23
 Debliche, H.
 poster, Tuesday 41
 Debussche, A.
 MS22 chair, Monday 8, 29
 Dehman, B.
 CT28 chair, Thursday 14, 39

DeMarco, L.
 IT1 speaker, Tuesday 18
 Deuschel, J.-D.
 MS23 speaker, Tuesday 10, 30
 Doering, L.
 CT7 speaker, Monday 8
 Domoshnitsky, A.
 CT18 speaker, Wednesday 12, 37
 Donatelli, D.
 CT19 chair, Wednesday 12, 37
 MS7 speaker, Monday 8, 22
 Drazic, I.
 poster, Tuesday 41
 Duchêne, V.
 CT22 chair, Thursday 14, 37
 MS26 speaker, Monday 31
 Duchene, V.
 MS26 speaker, Monday 8
 Duell, W.-P.
 MS26 speaker, Monday 8, 31
 Duerinckx, M.
 MS23 speaker, Tuesday 10, 30
 Duncan, A.
 MS21 speaker, Thursday 14, 29
 Dupaigne, L.
 CT3 chair, Monday 8, 33
 Duran, A.
 CT6 speaker, Monday 8, 34
 Duruk Mutlubas, N.
 CT13 speaker, Tuesday 10, 35

E

Ehrnstrom, M.
 MS26 speaker, Monday 8, 31
 Eichinger, B.
 MS8 speaker, Thursday 14, 22
 Erkip, A.
 CT13 speaker, Tuesday 10, 35

F

Fanelli, L.
 MS13 speaker, Wednesday 12, 25
 Farina, A.
 MS12 speaker, Thursday 14, 24
 Faugeras, O.
 MS10 speaker, Wednesday 12, 23
 Faure, F.
 MS18 speaker, Tuesday 10, 28
 Faye, G.
 MS9 speaker, Thursday 14, 23
 Fedrizzi, E.

CT32 speaker, Friday 16, 40
 Feehan, P.
 MS13 speaker, Friday 16, 25
 Feinberg, M.
 MS5 speaker, Thursday 14
 Feinberg, M.
 MS5 speaker, Thursday 14, 21
 Feireisl, E.
 MS15 speaker, Thursday 14, 26
 PT7 chair, Friday 17
 PT8 chair, Friday 17
 Fellner, K.
 MS14 speaker, Monday 8, 26
 Feo, F.
 CT14 speaker, Tuesday 10, 36
 Fernandez, B.
 CT23 speaker, Thursday 14, 38
 Ferraresso, F.
 poster, Tuesday 41
 Fetecau, R.
 MS24 speaker, Monday 8, 30
 Fiedler, B.
 MS5 chair, Friday 16, 21
 Fillman, J.
 MS8 speaker, Friday 16, 23
 Fischer, J.
 CT32 speaker, Friday 16, 40
 Flandoli, F.
 MS22 chair, Monday 8, 29
 Froyland, G.
 CT24 speaker, Thursday 14, 38
 Fujie, K.
 CT16 speaker, Tuesday 10, 36
 Fukao, T.
 CT17 speaker, Tuesday 10, 36

G

Gérard-Varet, D.
 MS15 speaker, Thursday 14, 26
 Gabor, G.
 MS25 speaker, Tuesday 10, 31
 Gaiko, V.
 poster, Tuesday 41
 Gallay, T.
 CT31 chair, Friday 16, 39
 Garcia-Huidobro, M.
 CT7 speaker, Monday 8, 34
 Gelantalis, M.
 MS17 speaker, Thursday 14, 27
 Gentz, B.

CT32 chair, Friday 16, 39
 IT4 speaker, Tuesday 18
 Gerard-Varet, D.
 MS6 speaker, Wednesday 12, 21
 Gess, B.
 MS21 speaker, Thursday 14, 29
 MS22 speaker, Monday 8, 29
 Geyer, A.
 CT6 speaker, Monday 8, 34
 Gharaei, M.
 CT21 speaker, Wednesday 12, 37
 Ghazaryan, A.
 CT2 speaker, Monday 8, 33
 Giacomini, G.
 MS3 speaker, Wednesday 12, 20
 Giorgi, T.
 MS17 speaker, Thursday 14, 27
 Gladiali, F.
 MS12 speaker, Friday 16, 25
 Gloria, A.
 MS23 chair, Tuesday 10, 30
 Gnann, M.
 poster, Tuesday 41
 Golovaty, D.
 MS17 speaker, Thursday 14, 27
 Gonchenko, M.
 CT8 speaker, Monday 8, 34
 Goos, D.
 CT17 speaker, Tuesday 10, 36
 Govaerts, W.
 MS2 speaker, Thursday 14, 19
 Granero Belinchón, R.
 CT13 speaker, Tuesday 10, 36
 Gravejat, P.
 MS13 speaker, Thursday 14, 25
 Groves, M.
 MS26 speaker, Monday 8, 31
 PT1 chair, Monday 17
 Grunert, K.
 MS8 speaker, Thursday 14, 22
 Gu, Y.
 MS23 speaker, Tuesday 10, 30
 Guardia, M.
 MS1 chair, Thursday 14, 19
 Gubinelli, M.
 IT5 speaker, Wednesday 18
 Guillarmou, C.
 MS18 chair, Tuesday 10, 28
 Guillod, J.
 CT1 speaker, Monday 8, 33

Gustafson, S.
 MS13 speaker, Thursday 14, 25
 PT6 chair, Friday 17

Gutierrez-Santacreu, J.
 CT1 speaker, Monday 8, 33

Gyori, I.
 MS4 speaker, Monday 8, 20

H

Ha, S.-Y.
 MS3 speaker, Wednesday 12, 20
 MS7 speaker, Tuesday 10, 22

Han, J.
 CT12 speaker, Tuesday 10, 35

Han, X.
 MS9 speaker, Thursday 14, 23

Haragus, M.
 IT3 chair, Tuesday 18
 MS13 speaker, Wednesday 12, 25

Harlim, J.
 MS16 speaker, Tuesday 10, 26

Hasil, P.
 CT23 speaker, Thursday 14, 38

Haspot, B.
 CT5 speaker, Monday 8, 34

Hauer, D.
 MS12 speaker, Thursday 14, 24

Hoel, H.
 MS16 speaker, Tuesday 10, 26

Hoffman, A.
 MS9 chair, Thursday 14, 23

Hofmanova, M.
 MS22 speaker, Monday 8, 29

Hogan, J.
 CT11 speaker, Tuesday 10, 35

Holzer, M.
 MS19 speaker, Tuesday 10, 28

Homburg, A. J.
 MS21 chair, Wednesday 12, 29

Hrizi, M.
 CT28 speaker, Thursday 14, 39

Huang, Y.
 MS24 speaker, Monday 8, 30

Huguet, G.
 MS10 speaker, Wednesday 12, 23

Humphries, T.
 MS2 speaker, Thursday 14, 19
 MS4 speaker, Tuesday 10, 20

Hunter, J.
 MS7 speaker, Tuesday 10, 22

Hupkes, H. J.
 MS9 chair, Friday 16, 23

I

Ibrahim, S.
 MS6 speaker, Wednesday 12, 22

Iftimie, D.
 CT1 chair, Monday 8, 33
 MS6 speaker, Tuesday 10, 21

Iglesias, M.
 MS16 speaker, Wednesday 12, 27

Iglesias, M. A.
 MS16 chair, Tuesday 10, 27

Ingremeau, M.
 MS18 speaker, Tuesday 10, 28

Ishida, S.
 CT16 speaker, Tuesday 10, 36

Iuorio, A.
 CT24 speaker, Thursday 14, 38

Ivanov, A.
 poster, Tuesday 41

J

Jo, T.-C.
 CT22 speaker, Thursday 14, 37

Johnson, M.
 MS13 speaker, Thursday 14, 25
 MS19 speaker, Tuesday 10, 28

Joly, R.
 MS5 speaker, Friday 16

Joly, R.
 MS5 speaker, Friday 21

K

Köhne, M.
 MS15 speaker, Thursday 14, 26

Kajikiya, R.
 CT3 speaker, Monday 8, 33
 CT7 chair, Monday 8, 34

Kaloshin, V.
 MS1 chair, Friday 16, 19

Kang, M.-J.
 CT19 speaker, Wednesday 12, 37

Kano, R.
 poster, Tuesday 41

Kantas, N.
 MS16 speaker, Tuesday 10, 27

Kassebacher, T.
 poster, Tuesday 41

Kato, N.
 CT15 speaker, Tuesday 10, 36

- Keller, G.
 IT1 chair, Tuesday 18
 MS20 speaker, Monday 8, 29
- Kelly, D.
 MS16 speaker, Tuesday 10, 26
- Kenmochi, N.
 CT29 speaker, Wednesday 12, 39
- Kim, E. H.
 MS7 chair, Monday 8, 22
 MS7 chair, Tuesday 10, 22
- Klaiber, A.
 CT2 speaker, Monday 8, 33
- Klainerman, S.
 MS11 chair, Tuesday 10, 24
- Kloeden, P.
 IT4 chair, Tuesday 18
 MS21 speaker, Thursday 14, 29
- Knobloch, E.
 CT24 speaker, Thursday 14, 38
- Ko, D.
 poster, Tuesday 41
- Kokubu, H.
 MS5 speaker, Friday 16
- Kokubu, H.
 CT12 chair, Tuesday 10, 35
 MS5 speaker, Friday 21
- Kondratyev, S.
 poster, Tuesday 41
- Kosiuk, I.
 CT24 speaker, Thursday 14, 38
- Kourganoff, M.
 CT21 speaker, Wednesday 12, 37
- Krauskopf, B.
 MS10 speaker, Tuesday 10, 23
 MS2 chair, Thursday 14, 19
- Kristiansen, K.
 poster, Tuesday 41
- Krisztin, T.
 MS4 speaker, Monday 8, 20
- Kryszewski, W.
 MS25 speaker, Tuesday 10, 30
- Kubo, A.
 CT17 speaker, Tuesday 10, 36
- Kuehn, C.
 CT11 speaker, Tuesday 10, 35
 MS3 chair, Wednesday 12, 20
- Kumazaki, K.
 CT33 speaker, Friday 16, 40
- Kuo, H.-W.
 CT9 speaker, Monday 8, 35
- Kusdiantara, R.
 CT23 speaker, Thursday 14, 38
- Kwok, E.
 poster, Tuesday 41
- L**
- Laing, C.
 MS3 speaker, Thursday 14, 20
- Lamberti, P.
 CT14 speaker, Tuesday 10, 36
- Lamy, X.
 MS17 speaker, Thursday 14, 28
- Lannes, D.
 MS26 chair, Monday 8, 31
- Lavrentiev, M.
 CT9 speaker, Monday 8
- Lavrentyev, M.
 CT9 speaker, Monday 35
- Lee, H.
 CT25 speaker, Thursday 14, 38
- LeFloch, P.
 MS11 speaker, Monday 8
- Lefloch, P.
 MS11 speaker, Monday 24
- Legoll, F.
 MS16 speaker, Wednesday 12, 27
- Lepoutre, T.
 MS14 chair, Monday 8, 26
- Liebscher, S.
 CT12 speaker, Tuesday 10, 35
- Lin, J.
 MS23 speaker, Tuesday 10, 30
- Liverani, C.
 PT7 speaker, Friday 17
- Lokharu, E.
 CT22 speaker, Thursday 14, 37
- Lorenzo, P.
 poster, Tuesday 41
- Lu, Y.
 CT19 speaker, Wednesday 12, 37
- Luca Tudorache, R.
 CT4 speaker, Monday 8, 33
- Lucon, E.
 MS3 speaker, Wednesday 12, 20
- Luk, J.
 MS11 speaker, Monday 8, 24
- Lukasiak, R.
 CT12 speaker, Tuesday 10, 35
- Lukeman, R.
 MS24 speaker, Monday 8, 30

Lukic, M.
MS8 speaker, Friday 16, 23

M

Mackey, M. C.
MS4 speaker, Monday 8, 20

Maeda, K.
poster, Tuesday 41

Makino, T.
CT25 speaker, Thursday 14, 38

Malaguti, L.
MS25 chair, Tuesday 10, 30

Malek, J.
MS15 chair, Thursday 14, 26

Malek, R.
CT28 speaker, Thursday 14, 39

Manko, S.
poster, Tuesday 42

Manukian, V.
CT2 speaker, Monday 8, 33

Marangell, R.
MS19 speaker, Tuesday 10, 28

Martinez, S.
MS14 speaker, Monday 8, 26

Martirosyan, D.
MS21 speaker, Wednesday 12, 29

Masmoudi, N.
PT8 speaker, Friday 17

Masnou, S.
CT8 chair, Monday 8, 34

Matano, H.
MS5 speaker, Friday 16

Matano, H.
MS5 chair, Thursday 14, 21

MS5 speaker, Friday 21

Mathieu, P.
MS23 speaker, Tuesday 10, 30

McCalla, S.
MS7 speaker, Tuesday 10

Mccalla, S.
MS7 speaker, Tuesday 22

Medvedev, G.
MS3 speaker, Thursday 20

Medvediev, G.
MS3 speaker, Thursday 14

Melbourne, I.
MS20 chair, Monday 8, 29

Melcher, C.
MS17 speaker, Wednesday 12, 27

Mellet, A.

MS7 speaker, Monday 8, 22

Meyroneinc, A.
CT21 speaker, Wednesday 12, 37

Michor, J.
MS8 speaker, Friday 16, 23

Mietka, C.
poster, Tuesday 42

Milisic, V.
CT26 speaker, Thursday 14, 38

Millot, V.
MS17 speaker, Thursday 14, 27

Minakowski, P.
poster, Tuesday 42

Minvielle, W.
MS23 speaker, Tuesday 10, 30

Miot, E.
MS13 speaker, Thursday 14, 25

Mironescu, P.
CT10 chair, Tuesday 10, 35

MS17 chair, Thursday 14, 27

MS17 speaker, Wednesday 12, 27

Mochizuki, A.
MS5 speaker, Friday 16

Mochizuki, A.
MS5 speaker, Friday 21

Monsurro, S.
poster, Tuesday 42

Monteiro Da Silva, R.
MS19 speaker, Tuesday 28

Monteiro da Silva, R.
MS19 speaker, Tuesday 10

Mourrat, J.-C.
MS23 speaker, Tuesday 10, 30

Moussa, A.
MS14 chair, Monday 8, 25

Muha, B.
CT33 speaker, Friday 16, 40

Murase, Y.
CT33 speaker, Friday 16, 40

Muratori, M.
CT3 speaker, Monday 8, 33

Musolino, P.
CT7 speaker, Monday 8, 34

Mydlarczyk, W.
CT4 speaker, Monday 8, 34

N

Nadin, G.
MS14 speaker, Monday 8, 26

Naito, Y.

CT14 speaker, Tuesday 10, 36
 Naud, F.
 MS18 speaker, Tuesday 10, 28
 Necasova, S.
 CT30 chair, Friday 16, 39
 CT5 speaker, Monday 8, 34
 Neukamm, S.
 MS23 speaker, Tuesday 10, 30
 Nicol, M.
 IT6 chair, Wednesday 18
 MS20 speaker, Monday 8, 29
 Niederman, L.
 MS1 speaker, Friday 16, 19
 Nishiguchi, J.
 poster, Tuesday 42
 Noja, D.
 MS13 speaker, Friday 25
 MS13 speaker, Wednesday 12
 Novotny, A.
 MS15 speaker, Thursday 14, 26
 Nussenzveig Lopes, H.
 MS6 chair, Tuesday 10, 21

O

Obukhovskii, V.
 MS25 chair, Tuesday 10, 31
 MS25 speaker, Tuesday 10, 31
 Ohnawa, M.
 CT31 speaker, Friday 16, 39
 Ohya, H.
 poster, Tuesday 42
 Okada, M.
 MS5 speaker, Thursday 14, 21
 Okada, T.
 poster, Tuesday 42
 Omel'chenko, O.
 MS3 speaker, Thursday 14, 20
 Orhan, O.
 poster, Tuesday 42
 Osinga, H.
 MS10 chair, Tuesday 10, 23
 MS2 speaker, Thursday 14, 19
 Ouellette, N.
 MS24 speaker, Monday 8, 30
 Owis, A.
 poster, Tuesday 42

P

Park, J.
 poster, Tuesday 42
 Pelinovsky, D.

MS13 chair, Thursday 14, 25
 MS13 chair, Wednesday 12, 25
 MS9 speaker, Friday 16, 23
 Penati, T.
 MS9 speaker, Friday 16, 23
 Perelman, G.
 MS13 speaker, Friday 16, 25
 Perkowski, N.
 MS22 speaker, Monday 8, 30
 Perthame, B.
 IT2 speaker, Tuesday 18
 MS7 speaker, Monday 8, 22
 Petkoski, S.
 MS10 speaker, Tuesday 10, 23
 Petropoulou, E.
 CT27 speaker, Thursday 14, 39
 Pierre, M.
 MS14 speaker, Monday 8, 26
 Pikovsky, A.
 MS3 speaker, Thursday 14, 20
 Pinzari, G.
 MS1 speaker, Friday 16, 19
 Pistoia, A.
 MS12 chair, Thursday 14, 24
 Pokorny, M.
 CT33 chair, Friday 16, 40
 CT5 speaker, Monday 8, 34
 Polacik, P.
 PT3 chair, Thursday 17
 Posteraro, M. R.
 poster, Tuesday 42
 Provenzano, L.
 poster, Tuesday 42
 Puhst, D.
 CT26 speaker, Thursday 14, 38
 Pujo-Menjouet, L.
 MS4 chair, Tuesday 10, 20

R

Raphaël, P.
 PT6 speaker, Friday 17
 Rasmussen, M.
 MS21 speaker, Thursday 14, 29
 Reitmann, V.
 CT23 speaker, Thursday 14, 38
 Ricciardi, T.
 MS12 speaker, Thursday 14, 24
 Ritchie, P.
 MS2 speaker, Thursday 14, 19
 Riviere, G.

MS18 chair, Tuesday 10, 28
 Robert, F.
 CT14 chair, Tuesday 10, 36
 MS12 chair, Thursday 14, 24
 MS12 speaker, Friday 16, 25
 Rocha, C.
 CT4 chair, Monday 8, 33
 CT8 speaker, Monday 8, 34
 Rodiac, R.
 MS17 speaker, Wednesday 12, 27
 Rodrigues, M.
 CT2 chair, Monday 8, 33
 Roidos, N.
 poster, Tuesday 42
 Romito, M.
 MS22 speaker, Monday 8, 29
 Rossi, L.
 MS14 speaker, Monday 8, 26
 Rost, G.
 MS4 speaker, Monday 8, 20
 Rothos, V.
 MS9 speaker, Thursday 14, 23
 Rousset, F.
 MS13 speaker, Thursday 14, 25
 MS26 speaker, Monday 8, 31
 Ruiz, D.
 MS12 speaker, Thursday 14, 24

S

Sadyrbaev, F.
 CT10 speaker, Tuesday 10, 35
 Samajova, H.
 poster, Tuesday 42
 Sato, N.
 poster, Tuesday 42
 Saut, J.-C.
 MS13 speaker, Thursday 14, 25
 Sayli, M.
 poster, Tuesday 42
 Schecter, S.
 MS19 speaker, Tuesday 10, 28
 Schillings, C.
 MS16 speaker, Wednesday 12, 27
 Schubert, R.
 MS18 speaker, Tuesday 10, 28
 Seara, T.
 MS1 speaker, Thursday 14, 19
 Serfaty, S.
 PT2 speaker, Monday 17
 Serrano, S.

MS10 speaker, Wednesday 12, 23
 Serre, D.
 IT2 chair, Tuesday 18
 MS7 speaker, Monday 8, 22
 Shafrir, I.
 MS17 speaker, Thursday 14, 27
 Shao, A.
 MS11 speaker, Monday 8, 24
 Shioji, N.
 CT3 speaker, Monday 8, 33
 Shirakawa, K.
 CT33 speaker, Friday 16, 40
 Shlapentokh-Rothman, Y.
 MS11 speaker, Tuesday 10, 24
 Shomberg, J.
 CT19 speaker, Wednesday 12, 37
 Short, M.
 MS24 speaker, Monday 8, 30
 Shpartko, P.
 poster, Tuesday 42
 Shukla, T.
 CT31 speaker, Friday 16, 39
 Sieber, J.
 MS2 chair, Thursday 14, 19
 Siemianowski, J.
 poster, Tuesday 42
 Simanovskii, I.
 CT22 speaker, Thursday 14, 37
 Slijepcevic, S.
 CT23 chair, Thursday 14, 38
 CT29 speaker, Wednesday 12, 39
 Smets, D.
 CT6 chair, Monday 8, 34
 MS17 speaker, Thursday 14, 27
 Smulevici, J.
 CT25 chair, Thursday 14, 38
 MS11 speaker, Tuesday 10, 24
 Soave, N.
 MS12 speaker, Friday 16, 25
 Song, K.
 CT30 speaker, Friday 16, 39
 Spantini, A.
 MS16 speaker, Wednesday 27
 Spantini, A.
 MS16 speaker, Wednesday 12
 Stanczy, R..
 poster, Tuesday 42
 Starke, J.
 CT18 chair, Wednesday 12, 36
 MS2 speaker, Thursday 14, 19

Stolovitch, L.
 CT8 speaker, Monday 8, 34

Strani, M.
 CT31 speaker, Friday 16, 39

Stroffolini, B.
 CT10 speaker, Tuesday 10, 35

Stuart, A.
 PT1 speaker, Monday 17

Stumpf, E.
 MS4 speaker, Tuesday 10, 20

Su, J.
 CT28 speaker, Thursday 14

Sugiyama, Y.
 poster, Tuesday 42

Suli, E.
 MS15 chair, Thursday 14, 26

Sultanov, O.
 CT18 speaker, Wednesday 12, 37

Sverak, V.
 PT5 speaker, Thursday 17

Szeftel, J.
 MS11 chair, Monday 8, 24

Szmolyan, P.
 MS5 speaker, Thursday 14

Szmolyan, P.
 CT11 chair, Tuesday 10, 35
 MS5 speaker, Thursday 21

Szymanska-Debowska, K.
 poster, Tuesday 42

T

Taddei, V.
 MS25 speaker, Tuesday 10, 31

Tahara, H.
 CT27 speaker, Thursday 14, 39

Tanaka, S.
 CT7 speaker, Monday 8, 34

Tanigawa, T.
 CT4 speaker, Monday 8, 34

Tarzia, D.
 CT28 speaker, Thursday 39

Tavares, H.
 MS12 speaker, Thursday 14, 24

Terhesiu, D.
 MS20 speaker, Monday 8, 29

Teschl, G.
 MS8 chair, Friday 16, 22
 MS8 speaker, Thursday 14, 22

Thieme, H.
 CT15 chair, Tuesday 10, 36

MS4 speaker, Monday 8, 20

Thomine, D.
 MS20 speaker, Monday 8, 29

Titi, E.
 MS15 speaker, Thursday 14, 26

Todd, M.
 CT21 chair, Wednesday 12, 37
 MS20 speaker, Monday 8, 29

Todorov, D.
 CT21 speaker, Wednesday 12, 37

Toon, A.
 CT4 speaker, Monday 34

Topaz, C.
 MS24 chair, Monday 8, 30
 MS24 speaker, Monday 8, 30

Trebeschi, P.
 CT30 speaker, Friday 16, 39

Trescases, A.
 MS14 speaker, Monday 8, 26

Trivisa, K.
 MS7 chair, Monday 8, 22
 MS7 speaker, Tuesday 10, 22

Trussardi, L.
 CT15 speaker, Tuesday 10, 36

Tsaneva-Atanasova, K.
 MS10 speaker, Wednesday 12, 23

Tsikkou, C.
 MS7 speaker, Monday 8, 22

Tsuzuki, Y.
 CT1 speaker, Monday 8, 33

Turaev, D.
 IT6 speaker, Wednesday 18

U

Ueno, H.
 CT22 speaker, Thursday 14, 37

Usami, H.
 poster, Tuesday 42

V

Väth, M.
 MS25 speaker, Tuesday 31

Vainchtein, A.
 MS9 speaker, Friday 16, 23

Vaira, G.
 MS12 speaker, Thursday 14, 24

VandenBoom, T.
 MS8 speaker, Friday 16

Vandenboom, T.
 MS8 speaker, Friday 23

Varvaruca, E.

MS26 speaker, Monday 8, 31
 Vasilaki, E.
 MS10 speaker, Tuesday 10, 23
 Vassena, N.
 poster, Tuesday 42
 Vath, M.
 MS25 speaker, Tuesday 10
 Vesely, M.
 poster, Tuesday 42
 Vial, G.
 CT26 chair, Thursday 14, 38
 Vicol, V.
 MS6 speaker, Tuesday 10, 21
 Vidotto, P.
 MS18 speaker, Tuesday 10, 28
 Visciglia, N.
 MS13 chair, Friday 16, 25
 MS13 chair, Thursday 14, 25
 Vlah, D.
 poster, Tuesday 42
 Von Brecht, J.
 MS7 speaker, Monday 22
 von Brecht, J.
 MS7 speaker, Monday 8
 Vorotnikov, D.
 CT29 speaker, Wednesday 12, 39
 Vovelle, J.
 CT27 chair, Thursday 14, 38
 MS22 speaker, Monday 8, 29
 Vrabie, I. I.
 MS25 speaker, Tuesday 10, 31
 Vrbaski, A.
 poster, Tuesday 42

W

Waechtler, J.
 CT11 speaker, Tuesday 10, 35
 Wahlen, E.
 MS26 chair, Monday 8, 31
 Walther, H.-O.
 MS4 speaker, Monday 8, 20
 Wang, Q.
 MS11 speaker, Monday 8, 24
 Watanabe, H.
 CT17 speaker, Tuesday 10, 36
 Wattis, J.
 MS9 speaker, Friday 16, 23
 Wayne, C. E.
 MS13 speaker, Wednesday 12, 25
 PT4 chair, Thursday 17

PT5 chair, Thursday 17
 Wedgwood, K.
 MS10 speaker, Tuesday 10, 23
 Weich, T.
 MS18 speaker, Tuesday 10, 28
 Westdickenberg, M.
 CT17 chair, Tuesday 10, 36
 MS17 chair, Thursday 14, 27
 MS17 speaker, Thursday 14, 27
 Wieczorek, R.
 CT15 speaker, Tuesday 10, 36
 Wolfrum, M.
 MS3 chair, Thursday 14, 20
 Wroblewska-Kaminska, A.
 CT1 speaker, Monday 8, 33
 Wu, J.
 MS4 chair, Monday 8, 20
 MS4 speaker, Tuesday 10, 21

X

Xue, J.
 MS1 speaker, Thursday 14, 19

Y

Yamamoto, M.
 poster, Tuesday 42
 Yamazaki, N.
 CT29 speaker, Wednesday 12, 39
 Yamazawa, H.
 poster, Tuesday 42
 Yilmaz, E.
 CT15 speaker, Tuesday 10, 36
 Yokota, T.
 CT16 speaker, Tuesday 10, 36
 Yomba, E.
 CT6 speaker, Monday 8, 34
 Yoshii, K.
 MS25 speaker, Tuesday 10, 31
 Yoshino, N.
 CT16 speaker, Tuesday 10, 36
 Young, L.-S.
 PT3 speaker, Thursday 17
 Yuditskii, P.
 MS8 speaker, Thursday 14, 22
 Yun, S.-B.
 CT9 speaker, Monday 8, 35

Z

Zaag, H.
 CT16 chair, Tuesday 10, 36
 IT3 speaker, Tuesday 18

- Zampieri, G.
CT18 speaker, Wednesday 12, 37
- Zamponi, N.
MS14 speaker, Monday 8, 26
- Zatorska, E.
CT5 speaker, Monday 8, 34
- Zillinger, C.
CT30 speaker, Friday 16, 39
- Zimmermann, D.
poster, Tuesday 42
- Zubik-Kowal, B.
CT20 speaker, Wednesday 12, 37
- Zumbrun, K.
MS19 chair, Tuesday 10, 28
- Zupanovic, V.
CT12 speaker, Tuesday 10, 35
- Zvyagin, V.
poster, Tuesday 42