

Maura Brunetti
Conference List

[LINK TO MORE RECENT EVENTS](#) (2017-present)

2016

2-4 November 2016: [Model Hierarchies Workshop](#) Princeton University, New Jersey (USA)

M. Brunetti, poster: *Energy budget as quality indicator in climate models with different degrees of complexity*

23-25 August 2016: Annual Meeting of the Swiss Physical Society, Lugano (CH)

M. Brunetti, talk: *Formation of rogue waves in a strong-wind regime*

30 May-3 June 2016: Extreme events and rogue waves seminar, Bad Honnef (Germany)

M. Brunetti, invited talk: *Akhmediev breathers under strong-wind regime*

2015

21-23 September 2015: [LWC2015](#) Third Conference in Laser, Weather and Climate, Geneva (CH)

M. Brunetti, talk: *Modulation instability in forced regimes*

12-17 April 2015: [EGU General Assembly](#), Vienna (Austria)

M. Brunetti, poster: [Coupled ocean-atmosphere climate simulations of the Callovian \(Middle Jurassic\) with full topographic surface](#)

M. Brunetti, poster: [Wind effects on the modulational instability of surface gravity waves](#)

M. Perroud, M. Brunetti, C. V  rard, poster: [Sensitivity of the ocean system to the bathymetry in numerical simulations of climate](#)

2014

30 June 2014: Annual Meeting of the Swiss Physical Society, Fribourg (CH)

M. Brunetti, talk: *Nonlinear fast growth of surface gravity waves under the action of wind*

18-21 June 2014: The Latsis Symposium 2014, Atmosphere and Climate Dynamics: from clouds to global circulation, Zurich (CH)

M. Tomasini, M. Brunetti, S. Marshall, poster: *Effect of snow cover and ocean mixed layer on the irreversibility of sea-ice retreat*

27 April-2 May 2014: [EGU General Assembly](#) Conference (2014)

M. Brunetti, talk: [Nonlinear fast growth of surface gravity waves under the action of wind](#)

M. Tomasini, M. Brunetti, S. Marshall, poster: [Effect of snow cover and ocean mixed layer on the irreversibility of sea-ice retreat](#)

2013

16-18 September 2013: [LWC2013](#) Second Conference in Laser, Weather and Climate, Geneva (CH)

M. Brunetti, talk: *Nonlinear evolution of fast-growing water waves under the action of wind*

13-19 June 2013: [Pre-Cenozoic climates International workshop 'When data and modeling meet'](#), Toulouse (France)

M. Brunetti, poster: *Ocean circulation during the Middle Jurassic in the presence/absence of a circumglobal current system*

7-12 April 2013: [EGU General Assembly](#), Vienna (Austria)

M. Brunetti, poster: [Ocean circulation during the Middle Jurassic in the presence/absence of a circumglobal current system](#)

M. Brunetti, poster: [Nonlinear evolution of surface gravity waves and optical waves in dispersive materials](#)

2012

22-27 April 2012: [EGU General Assembly](#), Vienna (Austria)

M. Brunetti, poster: [Stability properties of the North Atlantic Ocean Circulation](#)

2011

14 september 2011: Journée [CADMOS](#) 'Modelling and Large Scale Computation in Sciences', Uni Bastions, Geneva (CH)

M. Brunetti, talk: *Stability properties of the North Atlantic Ocean Circulation*

2010

30 May-4 June 2010: [Dynamics and evolution of disc galaxies](#), Pushchino and Moscow (Russia)

M. Brunetti, talk: *Diffusion in barred-spiral galaxies*

2009

12-15 May 2009: [Galaxies in Isolation: Exploring Nature vs. Nurture](#), Granada (Spain)

M. Brunetti, poster: *Multi-scale chaos in barred galaxies*

Proceedings in ASP Conference Series, Vol. 421, p. 247 (2010)

2006

28 August-1 September 2006: Joint Varenna-Lausanne International Workshop, Varenna (Italy)

[Development of a grid-based gyro-kinetic simulation code](#)

Proceedings: X. Lapillonne, M. Brunetti, S. Brunner, T.M. Tran, [AIP Conference Proceedings 871, 368 \(2006\)](#)

1 April 2006: Colloque numérique EPF-Lausanne (CH)

M. Brunetti, X. Lapillonne, S. Brunner, T.M. Tran, *Comparison of Semi-Lagrangian and Eulerian Algorithms for solving Vlasov-type equations*

2004

September 2004: Joint Varenna-Lausanne International Workshop, Villa Monastero, Varenna (Italy)

M. Brunetti, poster: [Towards a gyrokinetic semi-Lagrangian nonlinear global code](#) ([link](#))

M. Brunetti, S. Brunner, O. Sauter, T.M. Tran, J. Vaclavik, L. Villard, Theory of Fusion Plasmas, in: Internat. Workshop, Ed. Società Italiana di Fisica, Bologna, p. 339 (2004)

2003

December 2003: University of Strasbourg, group of Prof. Eric Sonnendrücker (France)

M. Brunetti, invited talk: *Comparison of numerical methods for solving the advection equation*

26-28 November 2003: First International Workshop on the Theory and Applications of the Vlasov equation (Vlasovia), University of Nancy (France)

M. Brunetti, talk: *Comparison of numerical methods for solving the advection equation*

8-10 September 2003: 10th European Fusion Theory Conference, Unitas Congress Centre, Helsinki (Finland)

M. Brunetti, talk: *Comparison of numerical methods for solving the advection equation*

2002

[Comparisons between semi-Lagrangian drift-kinetic code and PIC code simulations for ITG studies](#)

M. Brunetti, V. Grandgirard, S. J. Allfrey, A. Bottino, P. Bertrand, P. Ghendrih, O. Sauter, J. Vaclavik, L. Villard, in: Proceedings of the 29th EPS Conference on Controlled Fusion and Plasma Physics, Montreux, 2002, ECA, Vol. 26B, P4.102 (2002)

[Semi-Lagrangian drift-kinetic code for slab-ITG studies](#)

V. Grandgirard, M. Brunetti, A.J. Allfrey, A. Bottino, P. Bertrand, P. Ghendrih, X. Garbet, A. Ghizzo, G. Manfredi, M. Ottaviani, Y. Sarazin, O. Sauter, J. Vaclavik, L. Villard, in: Proceedings of the 29th EPS Conference on Controlled Fusion and Plasma Physics, Montreux, 2002, ECA, Vol. 26B, P-4.095 (2002)

2000

12-16 June 2000: [The 27th European Physical Society Conference on Controlled Fusion and Plasma Physics](#), Budapest (Hungary)

M. Brunetti, poster: [Nonlinear Landau damping in the relativistic and non-relativistic regime](#)

1999

27-29 October 1999: 8th European Fusion Theory Conference, Villa Olmo, Como (Italy)

M. Brunetti, poster: *Nonlinear Landau damping*

7-9 April 1999: Plasma Easter Meeting on Nonlinear phenomena in fluids and plasmas, Villa Gualino, Turin (Italy)

M. Brunetti, talk: *Nonlinear Landau damping and particle trapping in non-relativistic and relativistic regimes*

1997

1-4 July 1997: [2nd Edoardo Amaldi Conference on gravitational waves](#), Cern, Geneva (CH)

M. Brunetti, participant

21-27 March 1997: Workshop 'Problemi attuali di fisica teorica', International Institute for Advanced Scientific Studies (IIASS) 'Eduardo R. Caianiello', Vietri sul Mare (Italy)

M. Brunetti, talk: *Componente scalare nella radiazione gravitazionale e antenne sferiche*