

Publications de l'Institut de Mathématiques de Bourgogne 2016

Articles dans des revues internationales ou nationales avec comité de lecture

1. T. Abe, D. Faenzi, and J. Vallès. Logarithmic bundles of deformed weyl arrangements of type a_2 . *Bull. Soc. Math. France*, 144(4) :745–762, 2016.
2. H. Ahmed, R. Ushirobira, D. Efimov, and W. Perruquetti. Robust synchronization for multistable systems. *IEEE Trans. Automat. Control*, 61(6) :1625–1630, 2016.
3. S. Albac, A. Schmitz, C. Lopez-Alayon, C. d'Enfert, M. Sautour, A. Ducreux, C. Labruère-Chazal, M. Laue, G. Holland, A. Bonnin, and et al. Candida albicans able to use m cells as a portal of entry across the intestinal barrier in vitro. *Cellular Microbiology*, 18(2) :195–210, Feb. 2016.
4. S. Alvarez. Harmonic measures and the foliated geodesic flow for foliations with negatively curved leaves. *Ergodic Theory Dynam. Systems*, 36(2) :355–374, 2016.
5. D. Arnal, B. Currey, and V. Oussa. Characterization of regularity for a connected Abelian action. *Monatsh. Math.*, 180(1) :1–37, 2016.
6. S. Bai, G. Izquierdo, and C. Klein. Numerical study of the kerr solution in rotating coordinates. *Phys. Rev. D*, 93 :124001, Jun 2016.
7. F. Beguin, C. Bonatti, and B. Yu. A spectral-like decomposition for transitive Anosov flows in dimension three. *Math. Z.*, 282(3-4) :889–912, 2016.
8. P. Bellingeri, B. A. Cisneros de la Cruz, and L. Paris. A simple solution to the word problem for virtual braid groups. *Pacific J. Math.*, 283(2) :271–287, 2016.
9. A. Benbernou, N. Boussekkine, N. Mecherout, T. Ramond, and J. Sjöstrand. Non-real eigenvalues for \mathcal{PT} -symmetric double wells. *Lett. Math. Phys.*, 106(12) :1817–1835, 2016.
10. M. Bernardara, M. Bolognesi, and D. Faenzi. Homological projective duality for determinantal varieties. *Adv. Math.*, 296 :181–209, 2016.
11. M. A. Bertolim, A. Jacquemard, and G. Vago. Integration of a Dirac comb and the Bernoulli polynomials. *Bull. Sci. Math.*, 140(2) :119–139, 2016.
12. M. Birem and C. Klein. Multidomain spectral method for Schrödinger equations. *Adv. Comput. Math.*, 42(2) :395–423, 2016.
13. M. Birem and C. Klein. Multidomain spectral method for schrödinger equations. *Advances in Computational Mathematics*, 42(2) :395–423, April 2016.
14. S. V. Bitseki Penda and A. Olivier. Autoregressive functions estimation in nonlinear bifurcating autoregressive models. *Statistical Inference for Stochastic Processes*, Jun 2016.
15. J. Bochi, C. Bonatti, and L. J. Díaz. Robust criterion for the existence of nonhyperbolic ergodic measures. *Comm. Math. Phys.*, 344(3) :751–795, 2016.
16. D. Bohnet and C. Bonatti. Partially hyperbolic diffeomorphisms with a uniformly compact center foliation : the quotient dynamics. *Ergodic Theory Dynam. Systems*, 36(4) :1067–1105, 2016.
17. C. Bonatti and S. Crovisier. Center manifolds for partially hyperbolic sets without strong unstable connections. *J. Inst. Math. Jussieu*, 15(4) :785–828, 2016.
18. C. Bonatti, S. Crovisier, L. J. Díaz, and A. Wilkinson. What is... a blender? *Notices Amer. Math. Soc.*, 63(10) :1175–1178, 2016.
19. C. Bonatti and H. Eynard-Bontemps. Connectedness of the space of smooth actions of \mathbb{Z}^n on the interval. *Ergodic Theory Dynam. Systems*, 36(7) :2076–2106, 2016.
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21. C. Bonatti, K. Parwani, and R. Potrie. Anomalous partially hyperbolic diffeomorphisms I : dynamically coherent examples. *Ann. Scient. Éc. Norm. Sup. 4e série*, 49(6) :1387–1402, 2016.

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23. [A. Buryak](#) and [P. Rossi](#). Double ramification cycles and quantum integrable systems. *Lett. Math. Phys.*, 106(3) :289–317, 2016.
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25. [G. Casnati](#), [D. Faenzi](#), and [F. Malaspina](#). Moduli spaces of rank two aCM bundles on the Segre product of three projective lines. *J. Pure Appl. Algebra*, 220(4) :1554–1575, 2016.
26. [Z. Chen](#), [J.-B. Caillaud](#), and [Y. Chitour](#). L^1 -minimization for mechanical systems. *SIAM J. Control Optim.*, 54(3) :1245–1265, 2016.
27. [D.-C. Cisinski](#) and [F. Déglise](#). étale motives. *Compos. Math.*, 152(3) :556–666, 2016.
28. [T. Combet](#). Integrable planar homogeneous potentials of degree -1 with small eigenvalues (les potentiels intégrables homogènes de degré -1 du plan avec petites valeurs propres). *Ann. Inst. Fourier*, 66(6) :2253–2298, 2016.
29. [M. Conforti](#), [A. Mussot](#), [A. Kudlinski](#), [S. Rota Nodari](#), [G. Dujardin](#), [S. De Bièvre](#), [A. Armaroli](#), and [S. Trillo](#). Heteroclinic structure of parametric resonance in the nonlinear schrödinger equation. *Phys. Rev. Lett.*, 117 :013901, Jun 2016.
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31. [G. Dito](#), [G. Lebeau](#), and [P. Schapira](#). Foreword [Special issue : Topics in micro-local analysis—in memory of Louis Boutet de Monvel]. *Lett. Math. Phys.*, 106(12) :1617, 2016.
32. [S. Dolecki](#). Completeness number of families of subsets of convergence spaces. *Topology and its Applications*, 200 :133 – 145, 2016. Workshop : Aspects of Contemporary Topology V.
33. [S. Dolecki](#). Polarities and generalized extremal convolutions. *J. Convex Anal.*, 23(2) :603–614, 2016.
34. [A. Dubouloz](#). On the cancellation problem for algebraic tori. *Ann. Inst. Fourier*, 66(6) :2621–2640, 2016.
35. [A. Dubouloz](#) and [T. Kishimoto](#). Families of affine ruled surfaces : Existence of cylinders. *Nagoya Mathematical Journal*, 223(1) :1–20, 2016.
36. [A. Dubouloz](#) and [A. Liendo](#). Rationally integrable vector fields and rational additive group actions. *Internat. J. Math.*, 27(8) :1650060, 19, 2016.
37. [A. Dubouloz](#) and [F. Mangolte](#). Real frontiers of fake planes. *Eur. J. Math.*, 2(1) :140–168, 2016.
38. [A. Dubouloz](#) and [P.-M. Poloni](#). Affine-ruled varieties without the Laurent cancellation property. *Bull. Lond. Math. Soc.*, 48(5) :822–834, 2016.
39. [B. Dubrovin](#), [T. Grava](#), and [C. Klein](#). On critical behaviour in generalized Kadomtsev-Petviashvili equations. *Phys. D*, 333 :157–170, 2016.
40. [M. Dugave](#), [F. Göhmann](#), [K. K. Kozłowski](#), and [J. Suzuki](#). Asymptotics of correlation functions of the Heisenberg-Ising chain in the easy-axis regime. *J. Phys. A*, 49(7) :07LT01, 11, 2016.
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45. [P. Gaillard](#) and [M. Gastineau](#). Twenty parameters families of solutions to the NLS equation and the eleventh Peregrine breather. *Commun. Theor. Phys. (Beijing)*, 65(2) :136–144, 2016.

46. P. Gaillard and M. Gastineau. Twenty two parameter deformations of the twelfth peregrine breather solutions to the nls equation. *Advances in Research*, 7(2) :1–11, Jan 2016.
47. R. Garcia, R. Langevin, and P. Walczak. Darboux curves on surfaces II. *Bull. Braz. Math. Soc. (N.S.)*, 47(4) :1119–1154, 2016.
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52. J. Ilg, A. Jebrane, B. Dutray, L. Wolgensinger, M. Rousseau, A. Paquet, and C. Clément. Évaluation d’un programme francophone de formation aux habiletés parentales dans le cadre des troubles du spectre de l’autisme auprès d’un groupe pilote. *Annales Médico-psychologiques, revue psychiatrique*, Jul 2016.
53. A. R. Its and K. K. Kozłowski. Large- x analysis of an operator-valued Riemann-Hilbert problem. *Int. Math. Res. Not. IMRN*, (6) :1776–1806, 2016.
54. J. L. Jaramillo. An ocean drum : quasi-geostrophic energetics from a Riemann geometry perspective. *J. Phys. A*, 49(19) :194005, 30, 2016.
55. H. Jardón-Kojakhmetov, H. W. Broer, and R. Roussarie. Analysis of a slow-fast system near a cusp singularity. *J. Differential Equations*, 260(4) :3785–3843, 2016.
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63. K. Langlois and R. Terpereau. On the geometry of normal horospherical G -varieties of complexity one. *J. Lie Theory*, 26(1) :49–78, 2016.
64. D. Levy-Bencheton, G. Niccoli, and V. Terras. Antiperiodic dynamical 6-vertex model by separation of variables II : functional equations and form factors. *J. Stat. Mech. Theory Exp.*, (3) :033110, 57, 2016.
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 74. P. Schauenburg. A note on the restricted universal enveloping algebra of a restricted Lie-Rinehart algebra. *Bull. Belg. Math. Soc. Simon Stevin*, 23(5) :769–777, 12 2016.
 75. J. Sjöstrand and G. Uhlmann. Local analytic regularity in the linearized Calderón problem. *Anal. PDE*, 9(3) :515–544, 2016.
 76. J. Sjöstrand and M. Vogel. Large bidiagonal matrices and random perturbations. *Journal of Spectral Theory*, 6(4) :977–1020, 2016.
 77. R. Ushirobira, W. Perruquetti, and M. Mboup. An algebraic continuous time parameter estimation for a sum of sinusoidal waveform signals. *International Journal of Adaptive Control and Signal Processing*, 30(12) :1689–1713, 2016. acs.2688.
 78. S. Vaïter, C. Deledalle, J. Fadili, G. Peyré, and C. Dossal. The degrees of freedom of partly smooth regularizers. *Annals of the Institute of Statistical Mathematics*, pages 1–42, 2016.
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Articles publiés online ou en janvier 2017

- O-1 B. Audoux, P. Bellingeri, J.-B. Meilhan, and E. Wagner. Homotopy classification of ribbon tubes and welded string links. *ANNALI SCUOLA NORMALE SUPERIORE - CLASSE DI SCIENZE*, page 35 pages, 2017.
- O-2 H. Cardot and A. Godichon-Baggioni. Fast estimation of the median covariation matrix with application to online robust principal components analysis. *TEST*, Dec 2016.
- O-3 H. Cardot, C. Goga, and M. A. Shehzad. Calibration and partial calibration on principal components. *Statistica Sinica*, 27 :243–260, 2017.
- O-4 P. Cénac, A. Le Ny, B. de Loynes, and Y. Offret. Persistent random walks. i. recurrence versus transience. *Journal of Theoretical Probability*, Sep 2016 (Online).
- O-5 M. Deaconu and S. Herrmann. Simulation of hitting times for Bessel processes with non integer dimension. *Bernoulli journal*, May 2016 (Online).
- O-6 J. Frauendiener and C. Klein. Computational approach to compact riemann surfaces. *Nonlinearity*, 30(1) :138, 2017.
- O-7 A. Gadbled, A.-L. Thiel, and E. Wagner. Categorical action of the extended braid group of affine type a. *Communications in Contemporary Mathematics*, 0(0) :1650024, (2016) Online.
- O-8 R. Garcia, P. Walczak, and R. Langevin. Darboux curves on surfaces I. *Journal of Mathematical society of Japan*, 69(1) :1–24, 2017.
- O-9 J. Ilg, A. Jebrane, A. Paquet, M. Rousseau, B. Dutray, L. Wolgensinger, and C. Clément. Evaluation of a french parent-training program in young children with autism spectrum disorder. *Psychologie Française*, Jan 2017.
- O-10 B.-M. Kohli. The links-gould invariant as a classical generalization of the alexander polynomial? *Experimental Mathematics*, 0(0) :0–0, Online 2016.

- O-11 K. Langlois and R. Terpereau. The Cox ring of a complexity-one horospherical variety. *Archiv der Mathematik*, 108(1) :17–27, 2017.
- O-12 L. Van Damme, P. Mardesic, and D. Sugny. The tennis racket effect in a three-dimensional rigid body. *Physica D : Nonlinear Phenomena*, 338 :17 – 25, 2017.
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Ouvrages scientifiques (ou chapitres de ces ouvrages)

- L-1 L. Ambrosio and R. Ghezzi. Sobolev and bounded variation functions on metric measure spaces.
- L-2 P. Bettioli, B. Bonnard, L. Giraldi, P. Martinon, and J. Rouot. The Purcell Three-link swimmer : some geometric and numerical aspects related to periodic optimal controls. In *Variational methods in imaging and geometric control*, volume 18 of *Radon Series on Computational and Applied Mathematics*, ed. Maïtine Bergounioux, Gabriel Peyre, Christoph Schnörr, Jean-Baptiste Caillaud and Thomas Haberkorn, pages 328–357. 2016.
- L-3 J.-B. Caillaud and A. Farrés. On local optima in minimum time control of the restricted three-body problem. In *Recent advances in celestial and space mechanics*, volume 23 of *Math. Ind. (Tokyo)*, pages 209–302. Springer, Tokyo, 2016.
- L-4 F. Castel. Geometric representations of the braid groups. *Astérisque*, (378) :vi+175, 2016.
- L-5 T. Combati. Integrability and non integrability of some n body problems. In *Recent advances in celestial and space mechanics*, volume 23 of *Math. Ind. (Tokyo)*, pages 1–30. Springer, Tokyo, 2016.
- L-6 S. Dolecki and F. Mynard. *Convergence foundations of topology*. World Scientific Publishing Co. Pte. Ltd., Hackensack, NJ, 2016.
- L-7 R. Langevin. *Integral geometry from Buffon to geometers of today*. Cours spécialisés 23, Collection SMF, 2016.
- L-8 P. Mardešić, D. Sugny, and L. Van Damme. *Abelian Integrals : From the Tangential 16th Hilbert Problem to the Spherical Pendulum*, pages 327–346. Springer International Publishing, Cham, 2016.

Proceedings

- P-1 B. Bonnard, M. Chyba, J. Rouot, and D. Takagi. A Numerical Approach to the Optimal Control and Efficiency of the Copepod Swimmer. In *55th IEEE Conference on Decision and Control - CDC*, Las Vegas, United States, Dec. 2016.
- P-2 B. Bonnard, J.-C. Faugère, A. Jacquemard, M. Safey El Din, and T. Verron. Determinantal sets, singularities and application to optimal control in medical imagery. In *International symposium on symbolic and algebraic computations*, pages 103–110, Waterloo, Canada, July 2016. ACM.
- P-3 B. Bonnard, A. Jacquemard, and J. Rouot. Optimal Control of an Ensemble of Bloch Equations with Applications in MRI. In *55th IEEE Conference on Decision and Control - CDC*, Las Vegas, United States, Dec. 2016.
- P-4 M. Conforti, A. Mussot, A. Kudlinski, S. Rota Nodari, G. Dujardin, S. De Bièvre, A. Armaroli, and S. Trillo. Heteroclinic structure of parametric resonance in fibers with periodic dispersion. In *Photonics and Fiber Technology 2016 (ACOFT, BGPP, NP)*, page NTh4A.2. Optical Society of America, 2016.
- P-5 A. Smirnov, V. Matveev, and Y. Gusman. Spectral curves for the simplest solutions of the nonlinear Schrödinger equation” (en russe). In *Proceedings of the M74 conference, St. Petersburg University of Aerospace Instrumentation : volume Modeling and situation control of quality of the complex systems*, pages 233– 239, St. Petersburg, Russie, 2016.
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Editions des ouvrages

- E-1 B. Bonnard and M. Chyba, editors. *Recent Advances in Celestial and Space Mechanics*. Number 23 in Mathematics for Industry. Springer, 2016.
- E-2 V. W. Guillemin and J. Sjostrand, editors. *Louis Boutet de Monvel, Selected Works*. Contemporary Mathematicians. Birkhäuser, Basel, 2017.
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CONFERENCES INVITES IMB 2016

- 1) D. Arnal, International Conference on Quantization & Harmonic Analysis, 15-18 Décembre 2016.
- 2) Caillaud, J.-B. Emerging trends in applied mathematics and mechanics, Perpignan (mai 2016)
- 3) Caillaud, J.-B. Alicante-Limoges-Elche meeting on optimization, Caratagena (juin 2016)
- 4) Caillaud, J.-B. The cut locus: A bridge over differential geometry, optimal control and transport, Bangkok (août 2016)
- 5) Caillaud, J.-B. PGMO days, Palaiseau (novembre 2016)
- 6) Cénac, P. (2016) «Bestiaire de chaînes de Markov a mémoire variable et marches aléatoires persistantes », 29-31 Aout 2016, Journées MAS 2016, Grenoble, France.
- 7) Cénac, P. (2016) «Bestiaire de chaînes de Markov a mémoire variable et marches aléatoires persistantes ». ALEA 2016, 7-11 mars 2016, CIRM, Marseille, France. L'exposé est filmé et en ligne et accessible depuis le site du CIRM:
<https://www.youtube.com/watch?v=2bdSsoCzgKE>
- 8) De Moliner, A., Cardot, H., Goga, C. (2016). *Estimation of total electricity consumption curves of small areas by sampling in a finite population*. Conférence invitée à « Compstat 2016 », Session « Survey Sampling », 23-26 August 2016, Oviedo, Spain.
- 9) De Moliner, A., Cardot, H., Goga, C. (2016). *Estimation de courbes moyennes de consommation électriques à partir d'échantillons pour des petits domaines*. « 9e colloque francophone sur les sondages », 11-14 Octobre 2016, Gatineau, Canada.
- 10) G. Dito, Escola Patricio Letelier de Física matematica Ubu, Anchieta, Brésil, Février 2016
- 11) Dolecki : 2016 Symposium on Functional Analysis and Optimization. Stefan Rolewicz in memoriam, 31 August -3 September, Banach Center, Warszawa (Poland). When a Γ -functional is equal to its sequential counterpart
- 12) Dolecki : 2016 31st Summer Conference on Topology and its Applications, 2 - 5 August, Leicester (United Kingdom). Limitoids and productivity of Fréchetness
- 13) Dolecki : 2016 Toposym (Prague Topological Symposium), 25 - 29 July, Prague (Czech Republic). Completeness of products
- 14) Dubouloz : Workshop Birational geometry of Surfaces January 11-15, 2016, University of Roma Tor Vergata, Roma, Italy.
- 15) Dubouloz : The 14th Affine Algebraic Geometry Meeting, March 5-8 2016. Kwansei Gakuin University, Osaka, Japan.
- 16) A Dubouloz : Workshop *Frontiers in Elliptic Holomorphic Geometry* October 10-14 2016, Jevnaker, Norway.
- 17) Dubouloz : Conference *Groups of birational automorphisms* November 14-18, 2016, Laboratory of Algebraic Geometry and its Applications, Moscow, Russia.

- 18) Dubouloz : Workshop *Algebraic Geometry* , December 18-22 2016, Hanga Roa, Chile.
- 19) D. Faenzi : Colloque « Mediterranean Complex Projective Geometry », Carry-le-Rouet, 2016 , 23-28 mai 2016, « The CM representation type of varieties »
- 20) D. Faenzi : « Geometry and classification of algebraic varieties », Levico Terme, 20-25 juin 2016, « The CM representation type of varieties »
- 21) D. Faenzi : « Instanton bundles on Fano threefolds », au workshop « Instantons in Campinas », Brésil, 26-27 août 2016.
- 22) D. Faenzi : « First Joint Meeting Brazil Italy of Mathematics », Rio de Janeiro, 29 août-2 sept. 2016 « On the representation type of projective varieties »,
- 23) D. Faenzi : Workshop « Algebraic Geometry » Genova-Nice-Torino, N2016, 18-19 janvier 2016 « Triple planes with $p_g=q=0$ »
- 24) Fang, S., Conférence invitée, 8ème *Stochastic analysis and application*, 12-17 juin 2016, Beijing, Chine.
- 25) Fang, S., Conférence invitée, Mini workshop on *Stochastic Analysis*, Institut de Mathématiques appliquées, 17 juin 2016, Beijing, Chine.
- 26) Fang, S., Conférence invitée, 1st Stochastic partial equations and related fields, 24-26 juin 2016, Wuhan, Chine.
- 27) Fang, S., Conférence invitée, *East Midlands stochastic analysis seminar*, 10 août 2016, EPSRC, Warwick University, UK.
- 28) P. Gaillard, Fourth International Conference on Nonlinear Waves Theory and Applications, Beijing, China, June 25-28, 2016
- 29) Ghezzi, R. Women and Research in Mathematics: the contribution of SISSA Trieste, Italie, 7-8-9 septembre 2016
- 30) Godichon-Baggioni A. (2016). *Recursive estimation of the median covariation matrix in Hilbert spaces*. 12e Colloque Jeunes Probabilistes et Statisticiens, 18-22 avril 2016, Les Houches, France.
- 31) Herrmann, S. exposé à la conférence "German Probability and Statistics Days 2016" (Bochum, 1 au 4 mars) sur les temps d'atteinte du mouvement Brownien.
- 32) Herrmann, S. exposé sur la résonance stochastique lors du workshop "Stochastic Regularization" organisé à Toulouse du 21 au 23 mars.
- 33) J.L. Jaramillo, "Understanding isolated system dynamics in General Relativity", invited talk at the VIII International Meeting on Lorentzian Geometry, GELOMA16 (Málaga, Spain), September 20-23 (2016).

- 34) J.L. Jaramillo, "Talk Complexified MOTS-stability operator: an approach to the MOTS spectral problem", 21st International Conference on General Relativity and Gravitation, GR21 (Columbia University, New York, USA), July 11-15 (2016).
- 35) J.L. Jaramillo, "An Ocean Drum: a tale of geometry, eigenvalues and other (horizontal) Sirens' songs", VIII Jerte Advanced Relativity and Related Analogs in Matter Physics, Loop Approaches and Symmetries, Jarramplas 2016 (Navaconcejo, Cáceres, Spain), May 23-26 May (2016)
- 36) Jourani : Characterizations of the norm subdifferential local uniform convexity property and application, Symposium on Functional Analysis and Optimization, Stephan Rolewicz in memoriam, Warsaw, Poland, August 31-September 2, 2016.
- 37) Jourani : Radiality and semismoothness in finite and infinite dimensional spaces" XIII`eme Colloque Franco-Roumain de Math`ematiques Appliqu`ees, Universitatea "Al. I. Cuza", Iasi, Romania, August 25-29, 2016.
- 38) Jourani : The NSLUC property and Klee envelope, VI International Conference in Optimization Theory and its Applications (ALEL2016), Polytechnic University of Cartagena (Murcia, Spain) June 6-8, 2016.
- 39) N. Kitanine, January 2016: Probability and asymptotic analysis in strongly coupled systems, Hausdorf Center, Bonn, Germany
- 40) N. Kitanine, September 2016: Cargèse summer school: Quantum integrable systems, conformal field theories and stochastic processes, Cargèse, France
- 41) Klein, Workshop on Theoretical and Computational Aspects of Nonlinear Surface Waves, Banff, Canada, October 30 - November 4.
- 42) Klein, Workshop on Structure and scaling in computational field theories, Oslo, Norway, October 26-28. Conference on New Trends in Quantum and Kinetic Equations and Related PDEs, Madison, USA, October 6-8.
- 43) Klein, Workshop on Recent progress on the qualitative properties of nonlinear dispersive equations and systems, Vienna, Austria, September 19-24.
- 44) Klein, Durham Symposium on Geometric and Algebraic Aspects of Integrability, Durham, UK, July 25 to August 4.
- 45) Klein, Workshop on Nonlinear Partial Differential Equations and Scientific Computing, Beijing, China, July 5-10.
- 46) Klein, Workshop on Abnormal Wave Events, Nice, France, June 15-17.
- 47) C. Klein, Göttingen Workshop on Integrable Systems and Related Mathematical Structures, Göttingen, Allemagne, March 29 - April 1.
- 48) Rémi Langevin. Foliation 2016, Bedlewo, Pologne. 11 - 17 Juillet 2016 *Entropy, a functional viewpoint.*

- 49) Rémi Langevin. XIX school of differential geometry IMPA, Rio de Janeiro, Brésil. 20 - 22 Juillet 2016, *Profiles near an isolated singular point*
- 50) Lecuelle, G., Visalli, M., Cardot, H., Schlich, P. (2016). *Modeling temporal dominance of sensations with semi-Markov chains*. In Sensometrics, 27th to 29th July 2016, Brighton, England.
- 51) V. Matveev, "Göttingen Workshop on Integrable Systems and Related Mathematical structures" March 29 - April 1, "Rogue waves and integrable hierarchies" (2016)
- 52) V. Matveev, International Conference "Geometric Analysis and Control and Vision Theory", Bergen/Voss, Norway, "Intertwining FT and DFT: new developments", May 9-14, (2016)
- 53) V. Matveev, International conference «Representation theory and Mathematical Physics “, in memory of P.P. Kulish , 23-27 May 2016 , ”From Fourier transform to the discrete Fourier transform: applications to the special functions ”, Euler International Mathematical Institute (EIMI) and St. Petersburg division of Steklov Mathematical Institut (PDMI) of Russian Academy of Sciences
- 54) V. Matveev, International workshop « FQXI international workshop- 2016”, ” Rogue waves in 1+1 and 2+1 integrable systems , from NLS to KP-I and beyond “, 01 - 03 June 2016 , Aix-Marseille University, Campus St. Charles, Marseille – École Central de Marseille, France
- 55) V. Matveev, Memorial conference in honor of Louis Boutet de Monvel, École Normale Supérieure 20--24 juin 2016. « Long time adiabatic evolution and resonances »
- 56) V. Matveev, conference "December Readings », “Killer waves in AKNS and KP-1 hierarchies”, Sobolev Mathematical Institut, Siberian Division of Russian Academy of Sciences (SO RAN), 22-24 december 2016, Novosibirsk, Russia
- 57) J. Ph. Rolin: « *Iteration theory and transseries* », Workshop “Model Theory: From Fields to Hardy Fields”, Fields Institute, Toronto, août 2016
- 58) P. Rossi, Christmas Workshop on Quivers, Moduli Spaces and Integrable Systems - Genova (Italy) -December 2016. Talk : Integrable systems of double ramification type.
- 59) S. Rota Nodari, Conference "11th AIMS Conference on Dynamical Systems Differential Equations and Applications", Orlando, Florida, USA, July 1-5, 2016
- 60) Rousselle A. (2016). *Quenched invariance principle for random walks on Poisson-Delaunay triangulations*. Conférence invitée à « Stochastic Geometry and its Applications», 4-8 avril 2016, Centre Henri Lebesgue, Nantes, France.
- 61) P. Schauenburg « Frobenius-Schur Indicators » ; Workshop on Hopf algebras and related topics, Turin, 21-22 Janvier 2016
- 62) M. Semenov-Tian-Shansky, "Geometric Analysis in Control and Vision Theory", Bergen, Norvège, 9-14 Mai, 2016
- 63) M. Semenov-Tian-Shansky, Differential Algebra and Related Topics (DART), New York, USA, 30/9-4/10, 2016

- 64) J. Sjostrand, Rencontre d'une ANR sur les problèmes inverses les mercredi 4 et vendredi 7 mai à l'ENS à Paris. talk: Local analytic regularity and uniqueness in the linearized Calderon problem.
- 65) Sternheimer: Tokyo annual conference at Rikkyo 8-10 January, 2016
- 66) Sternheimer : Singapore, 23 – 30 January 2016, Nanyang Technological University. “Memorial Meeting for Nobel Laureate Prof. Abdus Salam’s 90th Birthday”, Institute for Advanced Studies <http://www.ntu.edu.sg/ias/upcomingevents/MMAS/Pages/default.aspx> and talk on 29 January 2016 at the Division of Mathematical Sciences <http://www.spms.ntu.edu.sg/mas/Seminar/2016/seminar2016.html>
- 67) D. Sternheimer : New York, 12 – 21 March 2016: CCPP (NYU) & SUNY Stony Brook Sectional Meeting of the AMS.
- 68) D. Sternheimer : Israel, 2 – 13 June 2016. Meeting of the Board of Governors of Ben Gurion University of the Negev (5 – 8 June), and Colloquium talk at the Department of Mathematics (June 7).
- 69) D. Sternheimer : Prague, 13 – 19 June 2016 XXIVth International Conference on Integrable Systems and Quantum symmetries (ISQS-24) Conférence invitée 18 juin 2016
- 70) D. Sternheimer : Saint Petersburg, 11-15 July 2016, Workshop on Classical and Quantum Integrable Systems (CQIS-2016), Opening talk <http://www.pdmi.ras.ru/EIMI/2016/CQIS/index.html>
- 71) R. Terpereau : Conférence Spherical varieties, Tsinghua Sanya International Mathematics Forum (Sanya, Chine), du 7 au 11 novembre 2016.
- 72) R. Terpereau : Workshop Equivariant geometry and algebraic stacks, ANU Kioloa Campus (Australie), du 14 au 18 mars 2016.
- 73) R. Terpereau: 5th Swiss-French Workshop on Algebraic Geometry, Charmey (Suisse), du 18 au 22 janvier 2016.
- 74) M. Triestino : 1st joint meeting Brazil-Italy in Mathematics, IMPA (Rio de Janeiro). 29.08.2016-02-09.2016
- 75) M. Triestino International Conference on Dynamical Systems, Búzios (Rio de Janeiro) 4-8 juillet, 2016.
- 76) Wagner, Extending local moves to welded knotted object. T-Days II, Caen (septembre 2016).
- 77) Wagner, Action catégorique du groupe de tresses affine étendu de type A, 1 and 1/2 days on 2-categories and 3-manifolds, Montpellier (septembre 2016).
- 78) E. Wagner, Categorical action of the braid group of the annulus, Workshop on Brauer Graph Algebras, Stuttgart (mars 2016).