Dr Giacomo Prando

List of Publications (last update: 30th August, 2021)

Bibliometrics

Publications in peer-reviewed journals	**37** I am first author in 16 papers. Out of these 16, 1 paper is published on *Nano Letters*, 1 on *Physical Review Letters* and 11 on *Physical Review B*.
Peer-reviewed conference proceedings	**2** (both as first author)
Books	**1** (Ph. D. Thesis)
Other publications	**29** Out of these 29 publications, 27 are single-author contributions on *Nature Nanotechnology* (News&views, Research Highlights, In The Classroom) and on *Nature Physics*.

Citations	**583**	(Web of Science)	***h* index**	**17**	(Web of Science)
	595	(Scopus)		**17**	(Scopus)

Publications in peer-reviewed journals

P37. J. Perego, C. X. Bezuidenhout, S. Bracco, **G. Prando**, L. Marchiò, M. Negroni, P. Carretta, P. Sozzani, A. Comotti, "*Cascade Dynamics of Multiple Molecular Rotors in a MOF: Benchmark Mobility at a Few Kelvins and Dynamics Control by CO_2*", *Journal of the American Chemical Society* **143**, 13082 (2021).

P36. R. Hussain, **G. Prando**, S. Selter, S. Aswartham, B. Büchner, P. Carretta, "*Magnetically induced local lattice anomalies and low-frequency fluctuations in the Mott insulator $La_2O_3Fe_2Se_2$*", *Physical Review B* **103**, L081105 (2021).

P35. **G. Prando**, J. Perego, M. Negroni, M. Riccò, S. Bracco, A. Comotti, P. Sozzani, P. Carretta, "*Molecular rotors in a metal-organic framework: muons on a hyper-fast carousel*", *Nano Letters* **20**, 7613 (2020).

P34. J. Perego, S. Bracco, M. Negroni, C. Bezuidenhout, **G. Prando**, P. Carretta, A. Comotti, P. Sozzani, "*Fast motion of molecular rotors in metal–organic framework struts at very low temperatures*", *Nature Chemistry* **12**, 845 (2020).

P33. **G. Prando**, P. Telang, S. D. Wilson, M. J. Graf, S. Singh, "*Monopole-limited nucleation of magnetism in $Eu_2Ir_2O_7$*", *Physical Review B* **101**, 174435 (2020).

P32. P. Carretta, **G. Prando**, "*Iron-based superconductors: tales from the nuclei*", *La Rivista del Nuovo Cimento* **43**, 1 (2020).

P31. M. Moroni, **G. Prando**, S. Aswartham, I. Morozov, Z. Bukowski, B. Büchner, H.-J. Grafe, P. Carretta, "*Charge and nematic orders in AFe_2As_2 (A = Rb, Cs) superconductors*", *Physical Review B* **99**, 235147 (2019).

P30. P. Telang, K. Mishra, **G. Prando**, A. K. Sood, S. Singh, "*Anomalous lattice contraction and emergent electronic phases in Bi-doped $Eu_2Ir_2O_7$*", *Physical Review B* **99**, 201112(R) (2019).

P29. S. Sanna, P. Carretta, M. Moroni, **G. Prando**, P. Bonfà, G. Allodi, R. De Renzi, A. Martinelli, "*Fast recovery of the pristine magnetic and structural phases in superconducting $LaFeAsO_{0.89}F_{0.11}$ by Mn/Fe substitution*", *Journal of Physics: Condensed Matter* **31**, 174002 (2019).

P28. S. Sanna, **G. Prando**, R. Khasanov, P. Carretta, A. Amato, H. Luetkens, M. Putti, A. Martinelli, R. De Renzi, "*Effect of the external pressure at the crossover between magnetism and superconductivity in $LnFeAsO_{1-x}F_x$ (Ln = $La_{0.7}Y_{0.3}$, Ce) superconductors*", *International Journal of Modern Physics B* **32**, 1840018 (2018).

P27. R. Kappenberger, F. Hammerath, P. Rousse, M. A. Afrassa, M. H. Haghighi, S. Kamusella, **G. Prando**, G. Lamura, A. Wolter, M. Moroni, S. Sanna, P. Carretta, C. Hess, H. Grafe, H. Klauss, S. Wurmehl, B. Büchner, "*Impact of concomitant Y and Mn substitution on superconductivity in $La_{1-y}Y_yFe_{1-x}Mn_xAsO_{0.89}F_{0.11}$*", *Physical Review B* **97**, 054522 (2018).

P26. K. Karmakar, M. Skoulatos, **G. Prando**, B. Roessli, U. Stuhr, F. Hammerath, C. Rüegg, S. Singh, "*Effects of Quantum Spin-1/2 Impurities on the Magnetic Properties of Zigzag Spin Chains*", *Physical Review Letters* **118**, 107201 (2017).

P25. **G. Prando**, A. Alfonsov, A. Pal, V. P. S. Awana, B. Büchner, and V. Kataev, "*Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study*", *Physical Review B* **94**, 024412 (2016).

P24. **G. Prando**, R. Dally, W. Schottenhamel, Z. Guguchia, S.-H. Baek, R. Aeschlimann, A. U. B. Wolter, S. D. Wilson, B. Büchner, M. J. Graf, "*Influence of hydrostatic pressure on the bulk magnetic properties of $Eu_2Ir_2O_7$*", *Physical Review B* **93**, 104422 (2016).

P23. Z. Guguchia, A. Amato, J. Kang, H. Luetkens, P. K. Biswas, **G. Prando**, F. von Rohr, Z. Bukowski, A. Shengelaya, H. Keller, E. Morenzoni, R. Fernandes, R. Khasanov, "*Direct evidence for a pressure induced nodal superconducting gap in the iron-based superconductor $Ba_{0.65}Rb_{0.35}Fe_2As_2$*", *Nature Communications* **6**, 8863 (2015).

P22. **G. Prando**, G. Profeta, A. Continenza, R. Khasanov, A. Pal, V. P. S. Awana, B. Büchner, S. Sanna, "*Common effect of chemical and external pressures on the magnetic properties of RCoPO (R = La, Pr, Nd, Sm). II.*", *Physical Review B* **92**, 144414 (2015).

P21. **G. Prando**, Th. Hartmann, W. Schottenhamel, Z. Guguchia, S. Sanna, F. Ahn, I. Nekrasov, C. G. F. Blum, A. U. B. Wolter, S. Wurmehl, R. Khasanov, I. Eremin, B. Büchner, "*Mutual independence of critical temperature and superfluid density under pressure in optimally electron-doped superconducting $LaFeAsO_{1-x}F_x$*", *Physical Review Letters* **114**, 247004 (2015).

P20. **G. Prando**, S. Sanna, R. Khasanov, A. Pal, E. M. Brüning, M. Mazzani, V. P. S. Awana, B. Büchner, R. De Renzi, "*Effect of external pressure on the magnetic properties of RCoAsO (R = La, Pr, Sm): a μSR study*", *Journal of Physics and Chemistry of Solids* **84**, 63 (2015).

P19. **G. Prando**, P. Carretta, A. U. B. Wolter, R. Saint-Martin, A. Revcolevschi, B. Büchner, "*Amorphous ferromagnetism and re-entrant magnetic glassiness in single-crystalline $Sm_2Mo_2O_7$*", *Physical Review B* **90**, 085111 (2014).

P18. F. Hammerath, P. Bonfà, S. Sanna, **G. Prando**, R. De Renzi, Y. Kobayashi, M. Sato, P. Carretta, "*Poisoning effect of Mn in $LaFe_{1-x}Mn_xAsO_{0.89}F_{0.11}$: unveiling a quantum critical point in the phase diagram of iron-based superconductors*", *Physical Review B* **89**, 134503 (2014).

P17. P. Carretta, R. De Renzi, **G. Prando**, S. Sanna, "*A view from inside iron-based superconductors*", *Physica Scripta* **88**, 068504 (2013).

P16. **G. Prando**, R. Giraud, S. Aswartham, O. Vakaliuk, M. Abdel-Hafiez, C. Hess, S. Wurmehl, A. U. B. Wolter, B. Büchner, "*Evidence for a vortex-glass transition in superconducting $Ba(Fe_{0.9}Co_{0.1})_2As_2$*", *Journal of Physics: Condensed Matter* **25**, 505701 (2013).

P15. **G. Prando**, O. Vakaliuk, S. Sanna, G. Lamura, T. Shiroka, P. Bonfà, P. Carretta, R. De Renzi, H.-H. Klauss, C. G. F. Blum, S. Wurmehl, C. Hess, B. Büchner, "*Role of in-plane and out-of-plane dilution in CeFeAsO: Charge doping versus disorder*", *Physical Review B* **87**, 174519 (2013).

P14. S. Sanna, P. Carretta, R. De Renzi, **G. Prando**, P. Bonfà, M. Mazzani, G. Lamura, T. Shiroka, Y. Kobayashi, M. Sato, "*Onset of magnetism in optimally electron-doped $LFe_{1-x}Ru_xAsO_{1-y}F_y$ (L = La, Nd or Sm) superconductors around x = 1/4*", *Physical Review B* **87**, 134518 (2013).

P13. **G. Prando**, S. Sanna, G. Lamura, T. Shiroka, M. Tropeano, A. Palenzona, H.-J. Grafe, B. Büchner, P. Carretta, R. De Renzi, "*Phase separation at the magnetic-superconducting transition in $La_{0.7}Y_{0.3}FeAsO_{1-x}F_x$*", *Physica Status Solidi B* **250**, 599 (2013).

P12. **G. Prando**, P. Bonfà, G. Profeta, R Khasanov, F. Bernardini, M. Mazzani, E. M. Brüning, A. Pal, V. P. S. Awana, H.-J. Grafe, B. Büchner, R. De Renzi, P. Carretta, S. Sanna, "*Common effect of chemical and external pressures on the magnetic properties of RECoPO (RE = La, Pr)*", *Physical Review B* **87**, 064401 (2013).

P11. R. De Renzi, P. Bonfà, M. Mazzani, S. Sanna, **G. Prando**, P. Carretta, R. Khasanov, A. Amato, H. Luetkens, M. Bendele, A. Palenzona, M. Tropeano, M. Vignolo, "*Effect of external pressure on the magnetic properties of LnFeAsO (Ln = La, Ce, Pr, Sm)*", *Superconductor Science and Technology* **25**, 084009 (2012).

P10. **G. Prando**, P. Carretta, R. De Renzi, S. Sanna, H.-J. Grafe, S. Wurmehl, B. Büchner, "*AC susceptibility investigation of vortex dynamics in nearly-optimally doped $REFeAsO_{1-x}F_x$ superconductors (RE = La, Ce, Sm)*", *Physical Review B* **85**, 144522 (2012).

P9. P. Bonfà, P. Carretta, S. Sanna, G. Lamura, **G. Prando**, A. Martinelli, A. Palenzona, M. Tropeano, M. Putti, R. De Renzi, "*Magnetic properties of spin diluted iron pnictides from μSR and NMR in $LaFe_{1-x}Ru_xAsO$*", *Physical Review B* **85**, 054518 (2012).

P8. T. Shiroka, G. Lamura, S. Sanna, **G. Prando**, R. De Renzi, M. Tropeano, M. R. Cimberle, A. Martinelli, C. Bernini, A. Palenzona, R. Fittipaldi, A. Vecchione, P. Carretta, A. S. Siri, C. Ferdeghini, M. Putti, "*Long- to short-range magnetic order in fluorine-doped CeFeAsO*", *Physical Review B* **84**, 195123 (2011).

P7. S. Sanna, P. Carretta, P. Bonfà, **G. Prando**, G. Allodi, R. De Renzi, T. Shiroka, G. Lamura, A. Martinelli, M. Putti, "*Correlated trends of coexisting magnetism and superconductivity in optimally electron-doped oxypnictides*", *Physical Review Letters* **107**, 227003 (2011).

P6. R. Khasanov, S. Sanna, **G. Prando**, Z. Shermadini, M. Bendele, A. Amato, P. Carretta, R. De Renzi, J. Karpinski, S. Katrych, H. Luetkens, N.D. Zhigadlo, "*Tuning of competing magnetic and superconducting phase volumes in $LaFeAsO_{0.945}F_{0.055}$ by hydrostatic pressure*", *Physical Review B* **84**, 100501(R) (2011).

P5. **G. Prando**, A. Lascialfari, A. Rigamonti, L. Romanò, S. Sanna, M. Putti, M. Tropeano, "*Superconducting phase fluctuations in $SmFeAsO_{0.8}F_{0.2}$ from diamagnetism at low magnetic field above T_c*", *Physical Review B* **84**, 064507 (2011).

P4. P. Carretta, **G. Prando**, S. Sanna, R. De Renzi, C. Decorse, P. Berthet, "*Evidence for impurity-induced frustration in La_2CuO_4*", *Physical Review B* **83**, 180411(R) (2011).

P3. **G. Prando**, P. Carretta, R. De Renzi, S. Sanna, A. Palenzona, M. Putti, M. Tropeano, "*Vortex dynamics and irreversibility line in optimally doped $SmFeAsO_{0.8}F_{0.2}$ from ac susceptibility and magnetization measurements*", *Physical Review B* **83**, 174514 (2011).

P2. S. Sanna, R. De Renzi, T. Shiroka, G. Lamura, **G. Prando**, P. Carretta, M. Putti, A. Martinelli, R. Cimberle, M. Tropeano, A. Palenzona, "*Nanoscopic coexistence of magnetic and superconducting states within the FeAs layers of $CeFeAsO_{1-x}F_x$*", *Physical Review B* **82**, 060508(R) (2010).

P1. **G. Prando**, P. Carretta, A. Rigamonti, S. Sanna, A. Palenzona, M. Putti, M. Tropeano, "*^{19}F NMR study of the coupling between 4f and itinerant electrons in the pnictide superconductors $SmFeAsO_{1-x}F_x$ ($0.15 \leq x \leq 0.2$)*", *Physical Review B* **81**, 100508(R) (2010).

Peer-reviewed conference proceedings

C2. **G. Prando**, P. Carretta, A. Lascialfari, A. Rigamonti, S. Sanna, L. Romanò, A. Palenzona, M. Putti, M. Tropeano, "*Investigation of fluctuating diamagnetism and spin dynamics in $SmFeAsO_{1-x}F_x$ superconductors*", *Advances in Science and Technology* **75**, 141 (2010, proceedings of the "CIMTEC 2010" conference).

C1. **G. Prando**, P. Carretta, S. R. Giblin, J. Lago, S. Pin, P. Ghigna, "*Dilution effects in $Ho_{2-x}Y_xSn_2O_7$: from the Spin Ice to the single-ion magnet*", *Journal of Physics: Conference Series* **145**, 012033 (2009, proceedings of the "Highly Frustrated Magnetism HFM 2008" conference).

Books

B1. **G. Prando**, "*Phase Diagrams of $REFeAsO_{1-x}F_x$ Materials. Macroscopic and Nanoscopic Experimental Investigation*" (Ph. D. Thesis), Aracne Editrice (Roma, 2013).

Other publications

O29. **G. Prando**, "*A spectral unit*", *Nature Physics* **16**, 888 (2020).

O28. **G. Prando**, "*Science and style*", *Nature Nanotechnology* **13**, 352 (2018).

O27. **G. Prando**, "*Spin caloritronics: Spin Nernst effect*", *Nature Nanotechnology* **12**, 1115 (2017).

O26. **G. Prando**, "*Scanning tunnelling microscopy: Orbital ordering mapped*", *Nature Nanotechnology* **12**, 1019 (2017).

O25. **G. Prando**, "*Spin qubits: Germanium-vacancy defects join the family*", *Nature Nanotechnology* **12**, 942 (2017).

O24. **G. Prando**, "*Spin currents: The utility of incoherence*", *Nature Nanotechnology* **12**, 936 (2017).

O23. **G. Prando**, "*Nitrogen-vacancy centres: Remote coherent control*", *Nature Nanotechnology* **12**, 836 (2017).

O22. **G. Prando**, "*Ferroelectric materials: Walls and memory*", *Nature Nanotechnology* **12**, 724 (2017).

O21. **G. Prando**, "*Carbon nanostructures: Graphene-packed fullerene*", *Nature Nanotechnology* **12**, 613 (2017).

O20. **G. Prando**, "*Water remediation: A steam nanogenerator*", *Nature Nanotechnology* **12**, 506 (2017).

O19. **G. Prando**, "*Neuromorphic computation: Lowering dimensions*", *Nature Nanotechnology* **12**, 499 (2017).

O18. **G. Prando**, "*Nitrogen-vacancy centres: Driven by the environment*", *Nature Nanotechnology* **12**, 499 (2017).

O17. **G. Prando**, "*Magnetic vortices: Quenched pairs*", *Nature Nanotechnology* **12**, 286 (2017).

O16. **G. Prando**, "*Van der Waals heterostructures: The natural way*", *Nature Nanotechnology* **12**, 191 (2017).

O15. **G. Prando**, "*Spin caloritronics: Bulk isn't everything*", *Nature Nanotechnology* **12**, 186 (2017).

O14. **G. Prando**, "*Antiferromagnetic spintronics: Improving memory*", *Nature Nanotechnology* **12**, 99 (2017).

O13. **G. Prando**, "*Quantum computation: Towards on-chip qubits*", *Nature Nanotechnology* **12**, 6 (2017).

O12. **G. Prando**, "*Quantum computation: Qubits in a row*", *Nature Nanotechnology* **12**, 2 (2017).

O11. **G. Prando**, "*Neuromorphic computation: Clever analog memristors*", *Nature Nanotechnology* **11**, 1001 (2016).

O10. L. Venema, B. Verberck, I. Georgescu, **G. Prando**, E. Couderc, S. Milana, M. Maragkou, L. Persechini, G. Pacchioni, L. Fleet, "*The quasiparticle zoo*", *Nature Physics* **12**, 1085 (2016).

O9. **G. Prando**, "*Van der Waals heterostructures: On-chip single photons*", *Nature Nanotechnology* **11**, 918 (2016).

O8. **G. Prando**, "*Complex oxide interfaces: Long correlated paths*", *Nature Nanotechnology* **11**, 841 (2016).

O7. **G. Prando**, "*van der Waals heterostructures: Photo-thermionic effect*", *Nature Nanotechnology* **11**, 736 (2016).

O6. **G. Prando**, "*Neuromorphic nanodevices: Rivalling biology*", *Nature Nanotechnology* **11**, 654 (2016).

O5. **G. Prando**, "*Graphene: Chiral Andreev Hall modes*", *Nature Nanotechnology* **11**, 578 (2016).

O4. **G. Prando**, "*Graphene spintronics: Rashba or not Rashba?*", *Nature Nanotechnology* **11**, 492 (2016).

O3. **G. Prando**, "*Water treatment: Submarine microbots*", *Nature Nanotechnology* **11**, 403 (2016).

O2. **G. Prando**, "*Spin caloritronics: Néel meets Seebeck*", *Nature Nanotechnology* **11**, 308 (2016).

O1. **G. Prando**, "*Distribuzioni statistiche a legge di potenza nella natura, nell'economia e nella società*" ("*Power-law statistical distributions in nature, economics and society*"), *Istituto Lombardo (Rend. Scienze)* **144**, 215 (2010).

Dr Giacomo Prando

Conferences/Workshops/Seminars (last update: 30th August, 2021)

Invited talks at conferences and workshops	**5**	**Invited talks and seminars in Universities**	**8**	**Contributed talks at conferences and workshops**	**18**

Invited talks at conferences and workshops

It5. **April 2018** International conference "6th International Conference on Superconductivity and Magnetism – ICSM2018" – Antalya, Turkey. Talk "Fe- and Co-based oxypnictides: Structural tuning of electronic ground states".

It4. **March 2015** Workshop "3rd ERC Symposium QuantumPuzzle" – Vienna University of Technology, Wien, Austria. Talk "μ^+SR under pressure: investigations of magnetism and superconductivity in iron-based pnictides".

It3. **June 2014** Workshop "Itinerant Magnetism and Superconductivity - IMS 2014" – Dresden, Germany. Talk "Chemical dilutions, external and chemical pressures. Electronic phase diagrams of 1111 oxy-pnictides investigated by means of μ^+SR".

It2. **October 2013** Workshop "Hot Topics in HTSC: Fe-Based Superconductors" – Zvenigorod, Moscow, Russia. Talk "Electronic phase diagrams of 1111 oxy-pnictides investigated by means of muon spin spectroscopy".

It1. **October 2011** Workshop "Highlights in Condensed Matter Physics - Superconductivity and Magnetism" – Università degli Studi di Pavia, Pavia, Italy. Talk "NMR, μ^+SR and AC susceptibility in Fe-based superconductors".

Invited talks and seminars in Universities

Is8. **January 2017** "Interplay between structural effects and electronic ground states in Fe-based oxypnictides and pyrochlore iridates", Dipartimento di Fisica, Università degli studi di Pavia.

Is7. **September 2016** "Electronic phase diagrams of iron-based spin-ladders", Leibniz-IFW, Dresden.

Is6. **March 2015** "Exotic electronic properties of iridium oxides driven by strong spin-orbit coupling", Laboratoire de Physique des Solides, Orsay - Paris 11 University.

Is5. **January 2015** "Recent μ^+SR studies of frustrated metallic pyrochlores and pnictide superconductors", Technische Universität, Dresden.

Is4. **November 2014** "Electronic phase diagrams of 1111 oxy-pnictides investigated by μ^+SR", Laboratoire de Physique des Solides, Orsay - Paris 11 University.

Is3. **March 2011** "Phase diagram of RE1111 oxy-pnictides: insights into SDW and SC phases by means of NMR, μSR and AC susceptibility measurements", Leibniz-IFW, Dresden.

Is2. **March 2011** "Phase diagram of RE1111 oxy-pnictides: insights into SDW and SC phases by means of NMR, μSR and AC susceptibility measurements", Laboratoire de Physique des Solides, Orsay - Paris 11 University.

Is1. **November 2010** "Distribuzioni statistiche a legge di potenza nella natura, nell'economia e nella società" ("Power-law distributions in nature, economics and society") at Istituto Lombardo – Accademia di Scienze e Lettere, Milano.

Contributed talks at conferences and workshops

Ct18. **February 2020** International conference "SuperFOx 2020 – Conference on Superconductivity and Functional Oxides" – Santa Margherita Ligure, Italy. Talk "Influence of hydrostatic pressure and of Eu/Bi substitution on the magnetic properties of $Eu_2Ir_2O_7$".

Ct17. **October 2019** National conference "Italian National Conference on Condensed Matter Physics (FisMat 2019)" – University of Catania, Italy. Talk "Influence of hydrostatic pressure and of Eu/Bi substitution on the magnetic properties of $Eu_2Ir_2O_7$".

Ct16. **June 2019** International conference "Spectroscopies in Novel Superconductors" – University of Tokyo, Japan. Talk "Hints of orbital-selectivity and charge-order in AFe$_2$As$_2$ (A = Cs, Rb) iron-based superconductors by means of ^{75}As nuclear quadrupole resonance".

Ct15. **June 2019** Workshop "Research Frontier of Advanced Spectroscopies for Correlated Electron Systems" – Tohoku University, Sendai, Japan. Talk "Tuning the Magnetocrystalline Anisotropy in RCoPO by Means of R Substitution: A Ferromagnetic Resonance Study".

Ct14. **October 2015** National conference "Italian National Conference on Condensed Matter Physics (FisMat 2015)" – University of Palermo, Italy. Talk "Mutual independence of T_c and superfluid density under pressure in optimally-doped LaFeAsO$_{1-x}$F$_x$".

Ct13. **June 2014** International conference "13th International Conference on Muon Spin Rotation, Relaxation and Resonance (μSR2014)" – Grindelwald, Switzerland. Talk "Electronic Phase Diagrams of 1111 Oxy-Pnictides Upon Charge Doping and External Pressure".

Ct12. **April 2014** International conference "4th International Conference on Superconductivity and Magnetism - ICSM2014" – Antalya, Turkey. Talk "Electronic Phase Diagrams of 1111 Oxy-Pnictides Investigated by Means of μ^+SR".

Ct11. **March 2014** International Conference "DPG Spring Meeting 2014" – Dresden, Germany. Talk "Effects of hydrostatic pressure on the superconducting properties of LaFeAsO$_{1-x}$F$_x$".

Ct10. **March 2014** International Conference "DPG Spring Meeting 2014" – Dresden, Germany. Talk "Ac susceptibility investigation of vortex dynamics in nearly-optimally doped Ba(Fe$_{1-x}$Co$_x$)$_2$As$_2$".

Ct9. **March 2013** International Conference "DPG Spring Meeting 2013" – Regensburg, Germany. Talk "Chemical and external pressures in ReFeAsO (Re = La, Ce, Pr, Sm) and ReCoPO (Re = La, Pr) by means of μ^+ spin spectroscopy".

Ct8. **March 2013** International Conference "DPG Spring Meeting 2013" – Regensburg, Germany. Talk "Ac susceptibility investigation of vortex dynamics in nearly-optimally doped ReFeAsO$_{1-x}$F$_x$ (Re = La, Ce, Sm) and Ba(Fe$_{1-x}$Co$_x$)$_2$As$_2$ superconductors".

Ct7. **September 2012** International Conference "JEMS 2012 – Joint European Magnetic Symposia" – Parma, Italy. Talk "Pressure effect on the magnetic and superconducting properties of REFeAsO$_{1-x}$F$_x$ (RE = Sm, Ce, La)".

Ct6. **June 2012** International Conference "SuperFOx 2012 – First Conference on Superconductivity and Functional Oxides" – Politecnico di Milano, Como, Italy. Talk "Ac susceptibility investigation of vortex dynamics in nearly-optimally doped REFeAsO$_{1-x}$F$_x$ (RE = La, Ce, Sm) and Ba(Fe$_{1-x}$Co$_x$)$_2$As$_2$ superconductors".

Ct5. **May 2011** International Conference "MuSR2011 – 12th International Conference on Muon Spin Rotation, Relaxation and Resonance" – Cancun, Mexico. Talk "Evolution of magnetic phases in REFeAsO oxypnictides under external pressure and isovalent substitution".

Ct4. **February 2011** National Conference "Magnet11 – II Convegno Nazionale di Magnetismo" – Torino, Italy. Talk "Evolution of magnetic phases in REFeAsO oxypnictides under external pressure and diamagnetic substitution".

Ct3. **September 2010** National Conference of the Italian Physics Society – University of Bologna, Italy. Talk "On the microscopic magnetic properties of superconducting $SmFeAsO_{1-x}F_x$".

Ct2. **September 2010** National Conference "SATT 15 – Conferenza Nazionale di Superconduttività" – Alghero, Italy. Talk "On the microscopic magnetic properties of superconducting $SmFeAsO_{1-x}F_x$".

Ct1. **June 2010** International conference "CIMTEC 2010 - 5 Forum on New Materials" – Montecatini Terme, Italy. Talk "On the microscopic magnetic properties of superconducting $SmFeAsO_{1-x}F_x$".