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Ricercatore presso CNR-IOM,
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Curriculum Vitae

Esperienza professionale

- 2018 – presente **Ricercatore** presso CNR-IOM, sede di Trieste
- 2014 – 2018 **Assegnista Post-Doc** presso CNR-IOM, sede di Trieste
- 2010 – 2013 **Dottorato PhD** presso SPINTEC – CEA Grenoble
PhD thesis: **Scalability and improvement of exchange bias properties for Thermally Assisted-MRAM**
- 2010 **Tirocinio** di Laurea Specialistica presso Spintec – CEA Grenoble (6 mesi)
Master thesis: **Magnetic properties of sub-500nm patterned media**
- 2009 **Tirocinio** presso Spintec – CEA Grenoble (3 mesi)

Formazione

- 2010 - 2013 **Dottorato in Fisica** presso l'Università di Grenoble
- 2009 - 2010 Master of Science EEATS Micro-Nano Electronique presso UJF - INPG
- 2008 - 2010 **Laurea specialistica** in Nanotecnologie per le ICT (Classe N. 32/S – D.M. 509/1999); voto finale: **110/110**
Laurea condivisa da tre istituti: Politecnico di Torino, INP Grenoble and EPFL
(<http://nanotech.grenoble-inp.fr/>)
- 2005 - 2008 **Laurea Triennale** in Ingegneria Fisica presso il Politecnico di Torino; voto finale: **110L/110**

Elenco delle pubblicazioni

- A.1)** Fiori, S., Dagur, D., Capra, M., Picone, A., Brambilla, A., Torelli, P., Panaccione, G., **Vinai, G.**
Electronically ordered ultrathin Cr₂O₃ on Pt(1 1 1) in presence of a multidomain graphene intralayer
(2023) *Applied Surface Science*, 613, art. no. 155918,
DOI: 10.1016/j.apsusc.2022.155918
- A.2)** Polewczyk, V., Chaluvadi, S.K., Dagur, D., Mazzola, F., Punathum Chalil, S., Petrov, A.Y., Fujii, J.,
Panaccione, G., Rossi, G., Orgiani, P., **Vinai, G.**, Torelli, P.
Chemical, structural and electronic properties of ultrathin V₂O₃ films on Al₂O₃ substrate: Implications in
Mott-like transitions
(2023) *Applied Surface Science*, 610, art. no. 155462, .
DOI: 10.1016/j.apsusc.2022.155462
- A.3)** Brioschi, M., Carrara, P., Polewczyk, V., Dagur, D., **Vinai, G.**, Parisse, P., Dal Zilio, S., Panaccione, G., Rossi,
G., Cucini, R.

Multidetector scheme for transient-grating-based spectroscopy
(2023) *Optics Letters*, 48 (1), pp. 167-170.
DOI: 10.1364/OL.476958

A.4) Dagur, D., Polewczyk, V., Petrov, A.Y., Carrara, P., Brioschi, M., Fiori, S., Cucini, R., Rossi, G., Panaccione, G., Torelli, P., **Vinai, G.**
Visible Light Effects on Photostrictive/Magnetostrictive PMN-PT/Ni Heterostructure
(2022) *Advanced Materials Interfaces*, 9 (36), art. no. 2201337, .
DOI: 10.1002/admi.202201337

A.5) Carrara, P., Brioschi, M., Longo, E., Dagur, D., Polewczyk, V., **Vinai, G.**, Mantovan, R., Fanciulli, M., Rossi, G., Panaccione, G., Cucini, R.
All-Optical Generation and Time-Resolved Polarimetry of Magnetoacoustic Resonances via Transient Grating Spectroscopy
(2022) *Physical Review Applied*, 18 (4), art. no. 044009, .
DOI: 10.1103/PhysRevApplied.18.044009

A.6) De Vita, A., Nguyen, T.T.P., Sant, R., Pierantozzi, G.M., Amoroso, D., Bigi, C., Polewczyk, V., **Vinai, G.**, Nguyen, L.T., Kong, T., Fujii, J., Vobornik, I., Brookes, N.B., Rossi, G., Cava, R.J., Mazzola, F., Yamauchi, K., Picozzi, S., Panaccione, G.
Influence of Orbital Character on the Ground State Electronic Properties in the van der Waals Transition Metal Iodides VI_3 and CrI_3
(2022) *Nano Letters*, 22 (17), pp. 7034-7041.
DOI: 10.1021/acs.nanolett.2c01922

A.7) Chaluvadi, S.K., Polewczyk, V., Petrov, A.Y., **Vinai, G.**, Braglia, L., Diez, J.M., Pierron, V., Perna, P., Mechin, L., Torelli, P., Orgiani, P.
Electronic Properties of Fully Strained $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ Thin Films Grown by Molecular Beam Epitaxy ($0.15 \leq x \leq 0.45$)
(2022) *ACS Omega*, 7 (17), pp. 14571-14578.
DOI: 10.1021/acsomega.1c06529

A.8) Chaluvadi, S.K., Wang, Z., Carvalho de Araújo, L.M., Orgiani, P., Polewczyk, V., **Vinai, G.**, Rousseau, O., Pierron, V., Pautrat, A., Domengès, B., Schlom, D.G., Méchin, L.
Integration of epitaxial $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ thin films on silicon-on-sapphire substrate for MEMS applications
(2022) *Applied Surface Science*, 579, art. no. 152095, .
DOI: 10.1016/j.apsusc.2021.152095

A.9) Caputo, M., Jandke, J., Cappelli, E., Chaluvadi, S.K., Bonini Guedes, E., Naamneh, M., **Vinai, G.**, Fujii, J., Torelli, P., Vobornik, I., Goldoni, A., Orgiani, P., Baumberger, F., Radovic, M., Panaccione, G.
Metal to insulator transition at the surface of V_2O_3 thin films: An in-situ view
(2022) *Applied Surface Science*, 574, art. no. 151608, .
DOI: 10.1016/j.apsusc.2021.151608

A.10) Pierantozzi, G.M., De Vita, A., Bigi, C., Gui, X., Tien, H.-J., Mondal, D., Mazzola, F., Fujii, J., Vobornik, I., **Vinai, G.**, Sala, A., Africh, C., Lee, T.-L., Rossi, G., Chang, T.-R., Xie, W., Cava, R.J., Panaccione, G.

Evidence of magnetism-induced topological protection in the axion insulator candidate EuSn_2P_2
(2022) *Proceedings of the National Academy of Sciences of the United States of America*, 119 (4), art. no. e2116575119, .
DOI: 10.1073/pnas.2116575119

A.11) Offi, F., Yamauchi, K., Picozzi, S., Lollobrigida, V., Verna, A., Schlueter, C., Lee, T.-L., Regoutz, A., Payne, D.J., Petrov, A., **Vinai, G.**, Pierantozzi, G.M., Pincelli, T., Panaccione, G., Borgatti, F.
Identification of hidden orbital contributions in the $\text{La}_{0.65}\text{Sr}_{0.35}\text{MnO}_3$ valence band
(2021) *Physical Review Materials*, 5 (10), art. no. 104403, .
DOI: 10.1103/PhysRevMaterials.5.104403

A.12) Baenitz, M., Piva, M.M., Luther, S., Sichelschmidt, J., Ranjith, K.M., Dawczak-Dębicki, H., Ajeesh, M.O., Kim, S.-J., Siemann, G., Bigi, C., Manuel, P., Khalyavin, D., Sokolov, D.A., Mokhtari, P., Zhang, H., Yasuoka, H., King, P.D.C., **Vinai, G.**, Polewczyk, V., Torelli, P., Wosnitza, J., Burkhardt, U., Schmidt, B., Rosner, H., Wirth, S., Kühne, H., Nicklas, M., Schmidt, M.
Planar triangular $S = 3/2$ magnet AgCrSe_2 : Magnetic frustration, short range correlations, and field-tuned anisotropic cycloidal magnetic order
(2021) *Physical Review B*, 104 (13), art. no. 134410, .
DOI: 10.1103/PhysRevB.104.134410

A.13) Polewczyk, V., Magrin Maffei, R., **Vinai, G.**, Lo Cicero, M., Prato, S., Capaldo, P., Dal Zilio, S., Di Bona, A., Paolicelli, G., Mescola, A., D'Addato, S., Torelli, P., Benedetti, S.
ZnO thin films growth optimization for piezoelectric application
(2021) *Sensors*, 21 (18), art. no. 6114, .
DOI: 10.3390/s21186114

A.14) Pierantozzi, G.M., **Vinai, G.**, Petrov, A.Y., De Vita, A., Motti, F., Polewczyk, V., Mondal, D., Pincelli, T., Cucini, R., Bigi, C., Vobornik, I., Fujii, J., Torelli, P., Offi, F., Rossi, G., Panaccione, G., Borgatti, F.
Evidence of Robust Half-Metallicity in Strained Manganite Films
(2021) *Journal of Physical Chemistry C*, 125 (26), pp. 14430-14437.
DOI: 10.1021/acs.jpcc.1c02323

A.15) Giaconi, N., Sorrentino, A.L., Poggini, L., Lupi, M., Polewczyk, V., **Vinai, G.**, Torelli, P., Magnani, A., Sessoli, R., Menichetti, S., Sorace, L., Viglianisi, C., Mannini, M.
Stabilization of an Enantiopure Sub-monolayer of Helicene Radical Cations on a $\text{Au}(111)$ Surface through Noncovalent Interactions
(2021) *Angewandte Chemie - International Edition*, 60 (28), pp. 15276-15280.
DOI: 10.1002/anie.202103710

A.16) Polewczyk, V., Chaluvadi, S.K., Orgiani, P., Panaccione, G., **Vinai, G.**, Rossi, G., Torelli, P.
Tuning the magnetic properties of $\text{V}_2\text{O}_3/\text{CoFeB}$ heterostructures across the V_2O_3 structural transition
(2021) *Physical Review Materials*, 5 (3), art. no. 034413, .
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A.17) Shi, Y., Wang, L., Wang, Z., **Vinai, G.**, Braglia, L., Torelli, P., Aruta, C., Traversa, E., Liu, W., Yang, N.
Defect Engineering for Tuning the Photoresponse of Ceria-Based Solid Oxide Photoelectrochemical Cells

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DOI: 10.1021/acsami.0c17921

A.18) Dmitriyeva, A., Mikheev, V., Zarubin, S., Chouprik, A., **Vinai, G.**, Polewczyk, V., Torelli, P., Matveyev, Y., Schlueter, C., Karateev, I., Yang, Q., Chen, Z., Tao, L., Tsybal, E.Y., Zenkevich, A.

Magnetoelectric Coupling at the Ni/Hf_{0.5}Zr_{0.5}O₂ Interface

(2021) *ACS Nano*, 15 (9), pp. 14891-14902.

DOI: 10.1021/acs.nano.1c05001

A.19) Watson, M.D., Rajan, A., Antonelli, T., Underwood, K., Marković, I., Mazzola, F., Clark, O.J., Siemann, G.-R., Biswas, D., Hunter, A., Jandura, S., Reichstetter, J., McLaren, M., Le Fèvre, P., **Vinai, G.**, King, P.D.C.

Strong-coupling charge density wave in monolayer TiSe₂

(2021) *2D Materials*, 8 (1), art. no. 015004, .

DOI: 10.1088/2053-1583/abafec

A.20) Carlomagno, I., Scaparro, A.M., Carlini, L., Drnec, J., **Vinai, G.**, Torelli, P., Felici, R., Mobilio, S., Meneghini, C.

Evidence of a thermally-induced microstructural anisotropy in Gr/Co/Ir(111) systems

(2021) *Applied Surface Science*, 535, art. no. 146365, .

DOI: 10.1016/j.apsusc.2020.146365

A.21) Polewczyk, V., **Vinai, G.**, Motti, F., Santhosh, S., Benedetti, S., Rossi, G., Torelli, P.

Thermal assisted tailoring of magnetic coercivity in Iron thin films on unstable Lithium Niobate substrate

(2020) *Journal of Magnetism and Magnetic Materials*, 515, art. no. 167257, .

DOI: 10.1016/j.jmmm.2020.167257

A.22) Motti, F., **Vinai, G.**, Bonanni, V., Polewczyk, V., Mantegazza, P., Forrest, T., Maccherozzi, F., Benedetti, S., Rinaldi, C., Cantoni, M., Cassese, D., Prato, S., Dhesi, S.S., Rossi, G., Panaccione, G., Torelli, P.

Interplay between morphology and magnetoelectric coupling in Fe/PMN-PT multiferroic heterostructures studied by microscopy techniques

(2020) *Physical Review Materials*, 4 (11), art. no. 114418, .

DOI: 10.1103/PhysRevMaterials.4.114418

A.23) Yang, N., Knez, D., **Vinai, G.**, Torelli, P., Ciancio, R., Orgiani, P., Aruta, C.

Improved Structural Properties in Homogeneously Doped Sm_{0.4}Ce_{0.6}O_{2-δ} Epitaxial Thin Films: High Doping Effect on the Electronic Bands

(2020) *ACS Applied Materials and Interfaces*, 12 (42), pp. 47556-47563.

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A.24) Zhang, L., Yang, T., He, X., Zhang, W., **Vinai, G.**, Tang, C.S., Yin, X., Torelli, P., Feng, Y.P., Wong, P.K.J., Wee, A.T.S.

Molecular Beam Epitaxy of Two-Dimensional Vanadium-Molybdenum Diselenide Alloys

(2020) *ACS Nano*, 14 (9), pp. 11140-11149.

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A.25) Vinai, G., Motti, F., Petrov, A.Y., Polewczyk, V., Bonanni, V., Edla, R., Gobaut, B., Fujii, J., Suran, F., Benedetti, D., Salvador, F., Fondacaro, A., Rossi, G., Panaccione, G., Davidson, B.A., Torelli, P.
An integrated ultra-high vacuum apparatus for growth and in situ characterization of complex materials
(2020) *Review of Scientific Instruments*, 91 (8), art. no. 085109, .
DOI: 10.1063/5.0005302

A.26) Polewczyk, V., Vinai, G., Motti, F., Dal Zilio, S., Capaldo, P., Sygletou, M., Benedetti, S., Rossi, G., Torelli, P.
Original design of a patterned multiferroic heterostructure for electrical control of the magnetic shape anisotropy
(2020) *Journal of Magnetism and Magnetic Materials*, 507, art. no. 166816, .
DOI: 10.1016/j.jmmm.2020.166816

A.27) Vinai, G., Bigi, C., Rajan, A., Watson, M.D., Lee, T.-L., Mazzola, F., Modesti, S., Barua, S., Ciomaga Hatnean, M., Balakrishnan, G., King, P.D.C., Torelli, P., Rossi, G., Panaccione, G.
Proximity-induced ferromagnetism and chemical reactivity in few-layer VSe₂ heterostructures
(2020) *Physical Review B*, 101 (3), art. no. 035404, .
DOI: 10.1103/PhysRevB.101.035404

A.28) Zhang, W., Zhang, L., Wong, P.K.J., Yuan, J., Vinai, G., Torelli, P., Van Der Laan, G., Feng, Y.P., Wee, A.T.S.
Magnetic Transition in Monolayer VSe₂ via Interface Hybridization
(2019) *ACS Nano*, 13 (8), pp. 8997-9004.
DOI: 10.1021/acsnano.9b02996

A.29) Vinai, G., Motti, F., Bonanni, V., Petrov, A.Y., Benedetti, S., Rinaldi, C., Stella, M., Cassese, D., Prato, S., Cantoni, M., Rossi, G., Panaccione, G., Torelli, P.
Reversible Modification of Ferromagnetism through Electrically Controlled Morphology
(2019) *Advanced Electronic Materials*, 5 (7), art. no. 1900150, .
DOI: 10.1002/aelm.201900150

A.30) Wong, P.K.J., Zhang, W., Bussolotti, F., Yin, X., Herng, T.S., Zhang, L., Huang, Y.L., Vinai, G., Krishnamurthi, S., Bukhvalov, D.W., Zheng, Y.J., Chua, R., N'Diaye, A.T., Morton, S.A., Yang, C.-Y., Ou Yang, K.-H., Torelli, P., Chen, W., Goh, K.E.J., Ding, J., Lin, M.-T., Brocks, G., de Jong, M.P., Castro Neto, A.H., Wee, A.T.S.
Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet
(2019) *Advanced Materials*, 31 (23), art. no. 1901185, .
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Magnetic properties of the CoO/Fe(001) system with a bottom-up engineered interface
(2019) *Journal of Magnetism and Magnetic Materials*, 475, pp. 54-59.
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Insights into the electronic structure of OsO₂ using soft and hard x-ray photoelectron spectroscopy in combination with density functional theory

(2019) *Physical Review Materials*, 3 (2), art. no. 025001, .

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A.33) Chaluvadi, S.K., Ajejas, F., Orgiani, P., Rousseau, O., **Vinai, G.**, Petrov, A.Y., Torelli, P., Pautrat, A., Camarero, J., Perna, P., Mechin, L.

Room temperature biaxial magnetic anisotropy in La_{0.67}Sr_{0.33}MnO₃ thin films on SrTiO₃ buffered MgO (001) substrates for spintronic applications

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A.34) Mantovan, R., Matveyev, Y., **Vinai, G.**, Martella, C., Torelli, P., Molle, A., Zarubin, S., Lebedinskii, Y., Zenkevich, A.

Bonding Character and Magnetism at the Interface Between Fe and MoS₂ Nanosheets

(2018) *Physica Status Solidi (A) Applications and Materials Science*, 215 (13), art. no. 1800015, .

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A.35) Rinaldi, C., Varotto, S., Asa, M., Sławińska, J., Fujii, J., **Vinai, G.**, Cecchi, S., Di Sante, D., Calarco, R., Vobornik, I., Panaccione, G., Picozzi, S., Bertacco, R.

Ferroelectric Control of the Spin Texture in GeTe

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A.36) Motti, F., **Vinai, G.**, Petrov, A., Davidson, B.A., Gobaut, B., Filippetti, A., Rossi, G., Panaccione, G., Torelli, P.

Strain-induced magnetization control in an oxide multiferroic heterostructure

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Interdiffusion-driven synthesis of tetragonal chromium (III) oxide on BaTiO₃

(2018) *Physical Review Materials*, 2 (3), art. no. 033401, .

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Study of equilibrium carrier transfer in LaAlO₃/SrTiO₃ from an epitaxial La_{1-x}Sr_xMnO₃ ferromagnetic layer

(2018) *Journal of Physics Communications*, 2 (2), art. no. 025010, .

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Giant magneto-electric coupling in 100 nm thick Co capped by ZnO nanorods

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Spectroscopic identification of the chemical interplay between defects and dopants in Al-doped ZnO

(2017) *Physical Chemistry Chemical Physics*, 19 (43), pp. 29364-29371.

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(2016) *Applied Physics Letters*, 109 (23), art. no. 232401, .

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A.45) Ciprian, R., Torelli, P., Giglia, A., Gobaut, B., Ressel, B., **Vinai, G.**, Stupar, M., Caretta, A., De Ninno, G., Pincelli, T., Casarin, B., Adhikary, G., Sberveglieri, G., Baratto, C., Malvestuto, M.

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A.46) Ciprian, R., Baratto, C., Giglia, A., Koshmak, K., **Vinai, G.**, Donarelli, M., Ferroni, M., Campanini, M., Comini, E., Ponzoni, A., Sberveglieri, G.

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(2015) *AIP Advances*, 5 (12), art. no. 127128, .
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(2015) *APL Materials*, 3 (11), art. no. 116107, .
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(2014) *Journal of Physics D: Applied Physics*, 47 (19), art. no. 195302, .
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A.50) Vinai, G., Moritz, J., Bandiera, S., Prejbeanu, I.L., Dieny, B.
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A.52) Vinai, G., Moritz, J., Gaudin, G., Vogel, J., Bonfim, M., Lançon, F., Prejbeanu, I.L., Mackay, K., Dieny, B.
Magnetic properties of patterned arrays of exchange-biased IrMn/Co square dots
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A.53) Vinai, G., Moritz, J., Bandiera, S., Prejbeanu, I.L., Dieny, B.
Enhanced blocking temperature in (Pt/Co)₃/IrMn/Co and (Pd/Co)₃/IrMn/Co trilayers with ultrathin IrMn layer
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Large exchange bias field in (Pt/Co)₃/IrMn/Co trilayers with ultrathin IrMn layers
(2012) *IEEE Magnetics Letters*, 3, art. no. 6157817, .
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Two-bit-per-dot patterned media for magnetic storage
(2011) *IEEE Magnetics Letters*, 2, art. no. 5710454, .
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A.56) Moritz, J., **Vinai, G.**, Auffret, S., Dieny, B.
Two-bit-per-dot patterned media combining in-plane and perpendicular-to- plane magnetized thin films
(2011) *Journal of Applied Physics*, 109 (8), art. no. 083902, .
DOI: 10.1063/1.3572259

Partecipazione a conferenze internazionali

C.1) Evidence of robust half metallicity in strained manganite films
JEMS 2022, Warsaw (Polonia), **presentazione orale, invited**

C.2) Interfacial magnetic couplings and XMCD: a brief overview on APE-HE activities during the pandemic time span
Magnet 2022, Firenze, **poster**

C.3) Chemical reactivity and induced ferromagnetism at Fe/VSe₂ interface
FisMat 2019, Catania, **presentazione orale**

C.4) Controlling magnetism in Fe_xMn_{1-x}/PMN-PT heterostructures by electrically driven morphological transitions
Magnet 2019, Messina, **presentazione orale**

C.5) Tailoring magnetism in Fe_xMn_{1-x}/PMN-PT heterostructures by electrically driven morphological transitions
Sol-SkyMag 2019, San Sebastian (Spagna), **presentazione orale**

C.6) Fe_xMn_{1-x}/PMN-PT magnetic configuration around ferromagnetic/antiferromagnetic transition
JEMS 2018, Mainz (Germania), **presentazione orale**

C.7) Fe_xMn_{1-x} thin films at ferro/antiferromagnetic transition on ferroelectric substrates
FisMat 2017, Trieste, **presentazione orale**

C.8) Fe_xMn_{1-x} thin films at ferro/antiferromagnetic transition on ferroelectric substrates
Magnet 2017, Assisi, **presentazione orale**

C.9) Interplay of structural, ferroelectric and magnetic properties at the BaTiO₃/La_{0.7}Sr_{0.3}MnO₃ interface
SuperFOX, Torino, **presentazione orale**

C.10) Magnetic properties of multiferroic thin films and multiferroic heterostructures
JEMS 2016, Glasgow (UK), **presentazione orale**

C.11) Chemically sensitive study of the magnetic properties of BiFe_{0.5}Cr_{0.5}O₃ thin films
AIM 2016, Bormio, **presentazione orale**

C.12) Magnetic properties of Bi₂FeCrO₆ thin film multiferroics by means of x-ray magnetic dichroism
DINEMN 2015, San Sebastian (Spagna), **presentazione orale**

C.13) Element specific investigation of the magnetic properties of $\text{Bi}_2\text{FeCrO}_6$ thin film multiferroics
ICMFS 2015, Cracovia (Polonia), poster

C.14) Exchange bias enhancement in $[\text{Pt}(\text{Pd})/\text{Co}]/\text{IrMn}/\text{Co}$ trilayers with ultrathin IrMn through Cu interlayer
MMM 2013, Denver (USA), presentazione orale

C.15) Focused Kerr measurements on patterned arrays of exchange biased square dots
JEMS 2013, Rodi (Grecia), presentazione orale

C.16) Magnetic properties of exchange biased IrMn/Co patterned arrays
Intermag 2012, Vancouver (Canada), presentazione orale

Proposal sottomessi (PI) ed accettati presso linee di sincrotrone

P.1) Thickness dependent study of $\text{Fe}_x\text{Mn}_{1-x}$ thin films magnetic state under polarized ferroelectric substrates
Elettra Sincrotrone proposal 20175448

P.2) Effects of BaTiO_3 layer on $\text{Fe}_x\text{Mn}_{1-x}$ thin films at ferro/antiferromagnetic transition
Elettra Sincrotrone proposal 20170351

P.3) Role of Mn spin canting in exchange bias properties enhancement of $(\text{Pt}/\text{Co})_3/\text{IrMn}/\text{Co}$ trilayer structures
Elettra Sincrotrone proposal 20145249

Incarichi di co-supervisione di studenti e dottorandi

S.1) Co-supervisione di Deepak Dagur, studente di Dottorato presso l'Università di Trieste, XXXVI ciclo (2020 – in corso)

S.2) Co-supervisione di Federico Motti, studente di Dottorato presso l'Università di Milano, XXXII ciclo (2016-2019)

Titolo tesi di Dottorato: *Strain-mediated magneto electric coupling and beyond: case studies by in-operando spectroscopy*

S.3) Co-supervisione di Sandra Santosh, studentessa presso l'Indian Institute of Science, Bangalore (India), Laurea Triennale in Fisica (2019)

Titolo tesi: *MOKE investigations – Summer internship*

S.4) Co-supervisione di Paola Mantegazza, studentessa presso l'Università di Milano, Laurea Triennale in Fisica (2019)

Titolo tesi: *E-field effect on the Fe/PMN-PT heterostructure morphology and magnetism*

S.5) Correlatore esterno di Martina Ferlin, studentessa presso l'Università di Milano, Laurea Triennale in Fisica (2017)

Titolo tesi: *FeMn Ultrathin Films on Ferroelectric Surfaces: Epitaxial Growth and SR spectroscopies*

Partecipazione a bandi

B.1) Supporto alla partecipazione al progetto europeo H2020 – SINFONIA - “Selectively activated INFORMATION technology by hybrid Organic Interfaces” Grant Agreement n. 964396, dal 01/04/2021, in corso oggi

Partecipazione in commissioni di gara

G.1) Componente effettivo della Commissione giudicatrice della gara a procedura negoziata sotto soglia per l'affidamento della fornitura di uno spettrometro di elettroni ed accessori, CIG: 76355807F1, CUP: B91J12000310001

Attività di divulgazione scientifica

D.1) Partecipazione al gruppo di lavoro per la stesura e la realizzazione del progetto "Science in a box per il magnetismo", dal 28/2/2022, in corso

D.2) Partecipazione come volontario agli eventi divulgativi di Trieste Next (<https://www.triestenext.it/>)

D.3) Organizzazione "practicals" presso la beamline APE-HE per la scuola europea Hercules (2021)