

## CURRICULUM VITAE



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Nationality	Dual Italian-Australian
Date and place of birth	30 JUNE 1954, MELBOURNE (AUSTRALIA)

## POSITIONS HELD

- Present position - Associate Professor, Department of Physical Sciences, Informatics and Mathematics, University of Modena e Reggio Emilia, Italy.
- 25 May 2009 - 24 May 2017, Science and Technology Attaché, Embassy of Italy, Canberra, Australia.
- 1 November 1997 - 24 May 2009, Associate Professor, Physics Department, Università degli Studi di Modena e Reggio Emilia, Italy.
- 1 November 1992 - 31 October 1997, Associate Professor, Physics Department, University Parma, Italy.
- 1 November – 15 December 2000, visiting Research Fellow, School of Physics, University of New South Wales, Sydney, Australia.
- 15 July – 15 August 1997, visiting Fellow, Neutron Scattering Group, Australian Nuclear Science and Technology Organization, Lucas Heights, Sydney, Australia.
- 15 December – 15 May 1987, visiting scientist, Rutherford Appleton Laboratory, UK.
- 1 March 1990 – 31 October 1992, Research Fellow, Istituto per La Struttura della Materia, Italian National Research Council, Frascati, Italy.
- 1 March 1985 – 28 February 1990, Research Fellow, Istituto MASPEC (Materiali Speciale per l'Elettronica e Magnetismo), Italian National Research Council, Parma, Italy.
- 1 November – 31 December 1984, visiting scientist, Oak Ridge National Laboratory, Tennessee, USA
- 15 January 1982 – 14 January 1985, Research Associate, Physics Department, University of Southampton, UK.

## EDUCATION AND CAREER OUTLINE

### *Primary Education*

- 1960-1966 Saint Peters Primary School, Clayton, Melbourne (Australia).

### *Secondary Education*

- 1967-1972 Mazenod College, Mulgrave, Melbourne (Australia), Victorian HSC (Higher

Schools Certificate) 1972.

#### *University Degrees*

- Bachelor of Science (Honours), 1973 -1977, Physics Department, Monash University, Melbourne, Australia. Fourth Year Honours Project: *Theory and design of a magnetic refrigerator for operation between 2 and 4 degrees K*. Supervisor: Dr. John A. Barclay.
- Doctorate in Physics, 1978 – 1981, Physics Department, Monash University, Melbourne, Australia. Thesis submitted: *Magnetic inhomogeneities in anti-ferromagnetic Mn-Ni alloys*. Supervisor: Dr. Trevor John Hicks. Doctorate awarded in April 1982.

#### *Career Outline and Research Interests*

Current research interests include investigation of magnetic interactions in nano-structured and conventional magnetic materials using the techniques of neutron diffraction and neutron spectroscopy. Topics and materials of interest include:

- Conventional and high  $T_c$  superconducting materials.
- Spin wave dynamics and inter-atomic potentials in magneto-strictive itinerant electron ferromagnetic alloys.
- Magnetic structures and excitations in strongly correlated electron systems.
- Length scale of dipolar correlations in ferromagnetic nano-composites.
- Nature of competing magnetic exchange and crystal field interactions in multi – sub-lattice rare earth intermetallic compounds and alloys.
- Dipolar interactions and long range magnetic order in novel high spin molecular magnets.

During the period of service as the Science Attaché, Embassy of Italy, Canberra (Australia), May 2009 – May 2017, promoted cooperation in science and technology between Italy and Australia, as well as promoting in Australia Italian science and technology. In this regard, on the 19th April 2013, the Italian and Australian Government's signed in Rome a Memorandum of Understanding for Cooperation in Scientific Research and Technology. This Memorandum, which superseded a Memorandum of Understanding in 1993 and a Joint Declaration in 2002 for Cooperation in Scientific Research and Technology between the Australian and the Italian Government, established a framework for co-operation in scientific research and technology between Italy and Australia, and aims to strengthen bilateral science and research relations. The Italian and Australian governments agreed in April 2017 to significantly enhance this cooperation and to supersede the Memorandum of Understanding signed in 2013 with a comprehensive science, technology and innovation Treaty. This Treaty was signed in Canberra on 22 May, 2017.

(<http://www.minister.industry.gov.au/ministers/sinodinos/media-releases/australia-strengthens-science-and-innovation-ties-italy>)

Bilateral scientific cooperation and science diplomacy (Science Diplomacy, Italian Style, <http://www.australasianscience.com.au/article/issue-june-2014/science-diplomacy-italian-style.html>) has been promoted by the organization, running and promotion of seminars, bilateral workshops and symposia as listed below. These meetings, in which almost 2,000 Italian and Australian scientists have participated, were co-financed, together with the Italian Ministry of Foreign Affairs and International Development, by the Australian Department of Industry, Innovation and Science as well as other national research organizations and learned academies such as ANSTO (Australian Nuclear Science & Technology Organization), CSIRO (Commonwealth Scientific and Industrial Research Organization), the Australian Synchrotron, ANN (the Australian Nanotechnology Network), the Australian Academy of Science, GRDC (the Grains Research Development Corporation), Wine Australia, ASI (the Italian Space Agency), CNR (the Italian National Research Council), INAF (the Italian National Institute for Astrophysics), INFN (the Italian National Institute for Nuclear Physics), ICTP (the International Centre for Theoretical Physics, Trieste), Australian and Italian universities and Australian State governments.

1. Italy: Research and Technology in Space Science, Shine Dome, Australian Academy of Science, Canberra, 25 October 2009
2. Reading the Bones: Atoms, Genes and the politics of Australia's Deep Past, Australian National University, Canberra, 16 December 2009
3. Photons for medicine and material sciences, Melbourne, 19-21 February 2010
4. Cooperation Opportunities offered to Australia by the Italian Dual Use Synthetic Aperture Radar Satellite System COSMO-SkyMed, Embassy of Italy, Canberra, 17-18 March 2010

5. Conference of the Association for Research between Italy and Australia, ARIA, Melbourne, 1 July 2010
6. Bilateral Bone and Joint Research, University of Adelaide, 21-23 February 2011
7. Bilateral Workshop on New Scientific Techniques in Cultural Heritage, Sydney, 14-17 March 2011
8. Nanophotonics for sensing - next generation photonic materials, structures and devices, University of Adelaide, 24-26 August 2011
9. International Workshop and School: Nanostructures for Sensors, Electronics, Energy and Environment, Kingscliff, NSW, 12-16 September 2011
10. Italy-Australia Space Symposium, Australian National University, 28 September 2011
11. Bilateral Workshop on Biomass Conversion and Utilization, Italian Institute of Culture, Melbourne, 8 December 2011
12. Bilateral symposium on high energy physics, University of Melbourne, 12 July 2012
13. Physics for the Future: International Workshop on the Australian Gravitational Wave Observatory, University of Western Australia, 27-28 September 2012
14. Nanostructured Materials for Magnetic and Spintronic Devices, Embassy of Italy, Canberra, 31 October-1 November 2012
15. Trilateral Italy-Australia-Taiwan Mathematics Workshop: Partial Differential Equations and Related Topics, University of Wollongong, 3-7 December 2012
16. Italy-Australia Space Collaboration Opportunities, Embassy of Italy, Canberra, 2 July 2013
17. International Workshop and School: Nanostructures for Sensors, Electronics, Energy and Environment, Airlie Beach, Queensland, 16-20 September 2013
18. The Italian - Australian Dialogue on Hadron Cancer Therapy, Embassy of Italy, Canberra, 10 October 2013
19. Photon and Neutron Applications to Biology and Nanoscale Systems, Australian Synchrotron, Melbourne, 19-21 May 2014
20. Meeting on Dark Matter Direct Detection, Stawell (Victoria), 27 September-3 October 2014
21. The Science of Our Past, Italian Institute of Culture, Sydney, 26 March 2015
22. Science and Technology for Development: The Role of Biotechnological Research for International Development, Embassy of Italy, Canberra, 16 September 2015
23. International Workshop and School: Nanostructures for Sensors, Electronics, Energy and Environment, Kingscliff, New South Wales, 27 September - 2 October 2015
24. Italian-Australian Collaborative Research Symposium in Agriculture, CSIRO Agriculture Flagship, Canberra, 3-4 December 2015
25. Innovation in wine technology, CSIRO Waite Campus, Adelaide, 7 December 2015
26. The First Pietro Baracchi Conference: Italo-Australian Radio Astronomy in the Era of the Square Kilometre Array, Australian Resources Research Centre, Perth, 1-4 November 2016
27. Italian Women of Science, Italian Institute of Culture, Sydney, 9 March 2017
28. Italy-Australia Science and Innovation Forum, Shine Dome, Australian Academy of Science, Canberra, 15 May 2017
29. Inaugural conference of the series 'Italian Scientists Down Under', 27- 28 November 2014, Embassy of Italy, Canberra.
30. 2nd meeting of 'Italian Scientists Down Under' The University of Sydney, 26 November 2015.
31. 3rd meeting of 'Italian Scientists Down Under', Italian Institute of Culture, Melbourne, 5 May 2016
32. 4th meeting of 'Italian Scientists Down Under', The University of Sydney, 29 September 2016
33. 5th meeting of 'Italian Scientists Down Under', The University of Western Australia, 4 November 2016
34. 6th meeting of 'Italian Scientists Down Under', Flinders University, 17-18 November 2016
35. 7th meeting of 'Italian Scientists Down Under' Queensland University of Technology, 23 March 2017.

[These last seven conferences, entitled 'Italian Scientists Down Under', brought together over 250 Italian scientists working in Australia and provided an opportunity for these scientists to present their latest research in many areas such as geoscience, renewable energy and climate, astronomy and astrophysics, mathematics, nuclear and particle physics, agricultural science, space science, cultural heritage, biology, synchrotron radiation, photonics, quantum physics and quantum computing, nanoscience & nanotechnology, psychology, oncology, oceanography, ICT, veterinary science, biomedicine, and forensic science. These meetings also provided an opportunity for Australian universities and research organizations to highlight their roles and opportunities for scientific collaboration with Italy].

As part of the routine activities of the scientific office, visits were made to over 50 Universities and research centres, located in all the States and Territories of Australia. Reconnaissance and monitoring of developments in Australian science and technology was routinely transmitted via the Riset (Rete Informativa Scienza e Tecnologia) platform of Italy's Ministry of Foreign Affairs and International Cooperation. From 2009 till 2014, participated as member of the Italian delegation, sometimes as Acting Head of Delegation, at the annual meetings in Hobart of the Commission on the Conservation of Antarctic Marine Living Resources (CCAMLR) and in Hobart in June 2012 of the Antarctic Treaty Consultative Meeting (ATCM). Organized, together with the Science, Technology and Education Coordinator, Embassy of Switzerland, the Canberra

Science Diplomats Club, which was inaugurated on the 27th June 2012. This is now a well established and periodic gathering of science diplomats from Embassies in Canberra and representatives of the Australian Academy of Science, the Australian Academy of Technology and Engineering, the Australian Academy of the Humanities, relevant Departments of the Australian Government and Australian government research organizations and agencies as well as organizations which represent the interests of Australia's scientists.

#### *Teaching - University Courses*

- Assistant to 1st and 3rd Year Physics Laboratories, Physics Department, Monash University, Australia, 1977-1981.
- Tutor in the 2nd year Statistical Mechanics Course, Physics Department, Southampton University, UK, 1983-1984.
- Course on Neutron scattering in Materials Science, Physics Department, Parma University, Italy, Jan - Feb, 1986.
- Series of Lectures on Neutron Scattering, "Scuola di Specializzazione", Physics Department, Parma University, February 1988.
- Course in Magnetic Properties of Matter, Academic Years 1992-1997, Physics Department, Parma University, Italy. Sixty hourly lectures average with an average student number of ten.
- Course on Neutron Scattering in the Doctorate School of Physics, 1992-1993 Physics Department, Parma University.
- Assistant to Fourth Year Laboratory, Applied Physics, Academic Years of 1992-93, 1993-94 and 1994-95, Parma University, Italy.
- Course for the 1st year course Physics for Biological Sciences, Academic Years 1997-2009, University of Modena e Reggio Emilia, Italy. Eight credits corresponding to 40 hours of teaching and 16 hours of tutorials. Average student number of 120 per year.
- Course for the 2nd year Physics Course at the Military Academy of the Italian Army, Modena, for the Academic Year 1998-1999.
- Academic Years 2001-2009, Course for the 5<sup>th</sup> year course Magnetic and Superconducting Properties of Matter, University of Modena e Reggio Emilia, Italy. Eight credits corresponding to 40 hours of teaching and 16 hours of tutorials. Average student number of 6 per year.
- Academic Years 2003-2009, 3rd year course Elements of Physics and Materials Science for Cultural Heritage, University of Modena e Reggio Emilia. Two credits corresponding to 16 hours of teaching. Average student number of 25 per year.
- Academic Year 2017-2018, 1<sup>st</sup> year undergraduate course in Physics (mechanics, thermodynamics, fluids, waves, optics and electromagnetism), Department of Engineering "Enzo Ferrari", University of Modena e Reggio Emilia.
- Academic Year 2017-2018, 3<sup>rd</sup> year undergraduate course in thermodynamics and fluid mechanics for the degree in Mathematics, Department of Physics, Informatics and Mathematics, University of Modena e Reggio Emilia.
- Academic Year 2017-2018, 1<sup>st</sup> year undergraduate course in physics for engineers, Department of Science and Engineering Methods, University of Modena e Reggio Emilia.
- Member, examining board for course in physics, undergraduate degree in Informatics, academic year 2017-2018, Department of Physical Sciences, Informatics and Mathematics, University of Modena e Reggio Emilia.
- Academic Year 2018-2019, 1<sup>st</sup> year undergraduate course in physics for engineers, (Mechanics), School of Engineering, University of Modena e Reggio Emilia.
- Academic Year 2018-2019, 1<sup>st</sup> year undergraduate course in physics for engineers (Vehicle mechanics), School of Engineering, University of Modena e Reggio Emilia.
- Academic Year 2018-2019, 1<sup>st</sup> year undergraduate course in physics for mathematics and chemistry, School of Engineering, University of Modena e Reggio Emilia.

#### *Appointments, Membership of Committees, Grants awarded*

- Member of the Crystallography Commission of the Italian National Research Council, 1989 - 1994.

- Member of the Scientific Council of the Istituto di Struttura della Materia, Italian National Research Council, 1992.
- Member of the Neutron Scattering Commission of the Italian National Research Council, 1989 – 1995.
- Member of the Organizing Committee and co-editor for EMMA'89 - European Magnetic Materials and Applications Conference, Rimini, September, 1989.
- Member of the Experimental Selection Panels for Diffraction - Crystallography and Magnetism, ISIS Spallation Source, Science and Engineering Council, UK, 1990 -1993.
- INFM (Istituto Fisica della Materia) representative of the Experimental Selection Panel, College 5B (Magnetic structures), Institut Laue Langevin, France, 1997 - 1999.
- External Collaborator, Istituto di Struttura della Materia, Italian National Research Council, Frascati, 1992-1993.
- External Collaborator, Istituto per Materiali Speciale per l'Elettronica e Magnetismo (MASPEC), Italian National Research Council, Parma, 1993 - 1995.
- June 1996 - June 1997 co-editor for the Notiziario Neutroni e Luce di Sincrotrone.
- Member of the Organizing Committee and co-editor for the Proceedings of the Workshop QENS 95 - Quasi-elastic Neutron Scattering, Parma, Sept. 1995.
- Referee for the Stimulation Action del Directorate General for Science, Research and Development and the Committee for European Development of Science and Technology, EEC, August, 1988.
- Member of the Organizing Committee for the 5th EPDIC - European Powder Diffraction Conference, Parma, July, 1997.
- Grant of 30000 € from the Italian National Research Council for investigation of Nano structured Magnetic Materials, 1996-1997.
- External referee for the Department of Employment, Education and Training, Research Policy and Grants Branch of the Australian Research Council, 1993 - 1994.
- Grant of 10000 € from the Italian Ministry for Universities and Scientific Research for the investigation of the Magnetic Properties of Inter-metallics, 1998-1999.
- Member of the Appointment Board for the position of Lecturer, Physics Department, La Sapienza University, Rome, October 1995.
- Member of the National Confirming Board for Lecturers appointed in Condensed Matter Physics in Italian Universities, Sept, 1996 - Sept 1998.
- Ph. D Thesis examiner, School of Physics, University of New South Wales, Sydney, and the Australian Defence Force Academy, Canberra, Australia, May, 1996.
- Ph. D Thesis examiner, Physics Department, Sydney University of Technology, Sydney, Australia, November, 1997.
- Ph. D Thesis examiner, Van der Waals-Zeeman Institute, University of Amsterdam, June, 1998.
- Ph. D Thesis examiner, Van der Waals-Zeeman Institute, University of Amsterdam, Sept, 2000.
- From February 1999 to February 2003 member of the Neutron Commission, INFM.
- Co-Director of the First Joint INFM - ICTP (International Centre for Theoretical Physics) School, Magnetic properties of condensed matter investigated by neutron scattering and synchrotron radiation techniques, Trieste, Italy, 1 – 11 February 2000.
- From March 2000, INFM representative of the INFM – ICTP Liaison Committee.
- Referee for the Engineering and Physical Sciences Research Council, UK, May 2000.
- From December 2000, member of the Teaching College, Physics Department, University of Modena and Reggio Emilia.
- Member of various examining and appointment boards for the INFM (July 2000, May 2001, October 2001).
- Member of the Entrance Examination Board for candidates intending to carry out a Ph. D Degree in Physics at the University of Modena and Reggio Emilia, Jan-Feb, 2001.
- Research Grant of 10000 € from Section D (Magnetism, Metals and Superconductivity) of the INFM for investigations of giant magneto-caloric materials, using neutron spectroscopy.
- Ph. D Thesis examiner, Van der Waals-Zeeman Institute, University of Amsterdam, February, 2003, 2005
- Ph. D Thesis examiner, Physics Department, Monash University, Australia, 2002.
- Co-Director of the 2nd Joint INFM - ICTP (International Centre for Theoretical Physics) School, Magnetic properties of condensed matter investigated by neutron scattering and synchrotron

radiation techniques, Trieste, Italy, 19 – 28 May 2003.

- Referee for scientific journals such as Europhysics Letters, Physical Review B, Royal Society: Proceedings A, J. Phys: Condensed Matter, Journal of Applied Physics, Journal of Magnetism and Magnetic Materials, Solid State Communications, Journal of Alloys and Compounds

#### Seminars

- *Critical magnetic fluctuations in disordered magnets*, Physics Department, Southampton University, Southampton, UK, February 1982.
- *Magnetic diffuse neutron scattering studies of nuclear and magnetic defects in disordered antiferro-magnets*, Institut Laue Langevin, Grenoble, September 1982.
- *Disordered magnetism in FCC Mn-Ni alloys*, Istituto MASPEC del CNR, Parma, Italy, September 1983.
- *Modelling magnetic defects in itinerant anti-ferromagnetic alloys*, Physics Department, Edinburgh University, Edinburgh, UK, June 1984.
- *Spin reorientation transitions and magneto-elasticity in cubic HoAl<sub>2</sub>*, Office Of Naval Research, Oak Springs, Washington DC, USA, December 1984.
- *Polarisation analysis of magnetic diffuse scattering from FCC disordered anti-ferromagnets*, Dipartimento di Fisica, Università 'La Sapienza', Rome, March 1985.
- *High resolution neutron scattering studies of Rare-Earth Intermetallic Compounds*, Instituto de Ciencias de Materiales, Universidad de Zaragoza, Spain, May 1987.
- *Microtwinning in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> investigated by high resolution neutron scattering*, Dipartimento di Fisica, Università, La Sapienza, Rome, June 1988.
- *High resolution neutron powder diffraction studies of microtwinning in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>*, Instituto de Ciencias de Materiales, Universidad de Zaragoza, Spain, April 1988.
- *Structure and magneto-crystalline anisotropy of novel ternary Fe-rich rare-earth intermetallic compounds of the ThMn<sub>12</sub> structure*, CSIRO (Commonwealth Scientific and Industrial Research Organization), Division of Applied Physics, Sydney, Australia, January 1989.
- *Spin reorientation transitions in (Nd,Pr) Co<sub>5</sub> compounds*, Physics Department, Monash University, Melbourne, Australia, August 1992.
- *Competing crystal field and exchange interactions in RCo<sub>5</sub> compounds*, School of Physics, University of New South Wales, Sydney, Australia, August 1992.
- *Time-of-flight neutron powder diffraction study of YCo<sub>4</sub>Ga and LaCo<sub>4</sub>Ga compounds*, ISIS Science Facility, Oxford, UK, August 1996.
- *Crystal field transitions in RMn<sub>12</sub> compounds*, Van der Waals-Zeeman Institute, Universiteit Van Amsterdam, March 1997
- *Neutron scattering investigations of crystal field transitions in intermetallic compounds*, Australian Neutron Scattering Group, Australian Nuclear Science and Technology Organization, Sydney, Australia, August 1997.
- *Magnetic interactions in NdCoAl intermetallics*, Australian Neutron Scattering Group, Australian Nuclear Science and Technology Organization, Sydney, Australia, December 2000.
- *Antiferromagnetism in RCr<sub>2</sub>Si<sub>2</sub> intermetallic compounds*, Dipartimento di Fisica, Technische Universität, Dresden, Germany, 9 February 2001.
- *Superstructure and magnetic interactions in RNi<sub>10</sub>Si<sub>2</sub> intermetallics*, Ames Laboratory, Iowa State University, USA, December 2002.
- *Lattice Softening and enhanced magneto-elasticity in some Fe based alloys: a neutron scattering investigation*, School of Physics, Monash University, Australia, November 2006.
- *Lattice dynamics and Magnetic Excitations in Magneto-elastic Fe-Ga and Fe-Be alloys*, Bragg Institute, Australian Nuclear Science and Technology Organization, Lucas Heights, Australia, November 2006.
- *Long range magnetic order in a high spin molecular magnet*, Spallation Neutron Source, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tennessee, USA, 18 February 2008.
- *Long range magnetic order in a high spin molecular magnet*, ISIS Spallation Neutron Source, UK, June 2008.

## PUBLICATIONS

### *Review articles*

- O. MOZE, CRYSTAL FIELD EFFECTS IN INTERMETALLIC COMPOUNDS STUDIED BY INELASTIC NEUTRON SCATTERING, HANDBOOK OF MAGNETIC MATERIALS, (ELSEVIER PUBLISHING CO.), 11, 493-631 (1998.)
- O. MOZE, CRYSTAL FIELD EFFECTS IN INTERMETALLIC COMPOUNDS: INELASTIC NEUTRON SCATTERING RESULTS, IN ENCYCLOPEDIA OF MATERIALS: SCIENCE AND TECHNOLOGY, ONLINE UPDATES (ELSEVIER SCIENCE PUBLISHING, OXFORD), EDITORS: K. H. J. BUSCHOW, R. CAHN, M. FLEMINGS, P. VEYSSIERE, E. KRAMER AND S. MAHAJAN (2004.)

### *Peer reviewed International journals*

- [1] J. A. BARCLAY, L. PATTERSON, D. BINGHAM AND O. MOZE, LOW TEMPERATURE CONDUCTIVITY OF  $Gd_2(SO_4)_3 \cdot 8H_2O$  AND  $Dy_2Ti_2O_7$  AS A FUNCTION OF MAGNETIC FIELD, CRYOGENICS, SEPTEMBER, 535-537 (1978.)
- [2] J. A. BARCLAY, O. MOZE AND L. PATTERSON, A RECIPROCATING MAGNETIC REFRIGERATOR FOR 2-4K OPERATION: INITIAL RESULTS, JOURNAL OF APPLIED PHYSICS, 50(9), 5870-5877 (1979.)
- [3] O. MOZE AND T. J. HICKS, ANTIFERROMAGNETIC DEFECT SCATTERING FROM AN 85 AT % MN, MN<sub>2</sub>Ni ALLOY, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 14, 250-252 (1979.)
- [4] O. MOZE, T. J. HICKS AND A. C. MCLAREN, DETERMINATION OF THE HYDROGEN CONTENT OF SYNTHETIC QUARTZ BY NEUTRON POLARIZATION ANALYSIS, PHYSICS AND CHEMISTRY OF MINERALS, 5, 309-314 (1980.)
- [5] P. GIBBS, O. MOZE AND T. J. HICKS, ANTIFERROMAGNETIC DEFECT SCATTERING FROM AN 80 AT % MNZn BINARY ALLOY, JOURNAL OF PHYSICS F: METAL PHYSICS, 11, L83-87 (1981.)
- [6] T. J. HICKS AND O. MOZE, THE MOMENT DISTRIBUTION IN FERROMAGNETIC NiMn ALLOYS, JOURNAL OF PHYSICS F: METAL PHYSICS, 11, 2633-2643 (1981.)
- [7] O. MOZE AND T. J. HICKS, ATOMIC CORRELATIONS AND MAGNETIC DEFECT DISTURBANCES IN ANTIFERROMAGNETIC MN<sub>2</sub>Ni ALLOYS, JOURNAL OF PHYSICS F: METAL PHYSICS, 11, 1471-1486 (1981.)
- [8] J. R. DAVIS, R. CYWINSKI, O. MOZE AND T. J. HICKS, CROSS-CORRELATION TECHNIQUES USED IN NEUTRON POLARIZATION ANALYSIS STUDIES OF STATIC AND DYNAMIC PHENOMENA IN DISORDERED SOLIDS, JOURNAL DE PHYSIQUE, C7, TOME 43, 65-70 (1982.)
- [9] O. MOZE AND T. J. HICKS, THE DISTRIBUTION OF ATOMS AND MAGNETIC MOMENT IN AN ANTIFERROMAGNETIC MN<sub>2</sub>Ni SINGLE CRYSTAL, JOURNAL OF PHYSICS F: METAL PHYSICS, 12, 1-13 (1982.)
- [10] S. K. BURKE, B. D. RAINFORD, E. J. LINDLEY AND O. MOZE, OBSERVATION OF LOCALIZED SPIN FLUCTUATIONS IN Pd 1 AT % Ni BY NEUTRON INELASTIC SCATTERING, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 31-34, 545-546 (1983.)
- [11] D. MCKPAUL, S. K. BURKE, O. MOZE, C. A. CORNELIUS AND A. L. GIORGI, A NEUTRON SMALL ANGLE SCATTERING STUDY OF THE ONSET OF FERROMAGNETISM IN TiBe<sub>2-x</sub>Cu<sub>x</sub> ALLOYS, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 42, 201-206 (1984.)
- [12] O. MOZE AND T. J. HICKS, A DIFFUSE NEUTRON SCATTERING STUDY OF LOCAL ATOMIC ORDER AND PAIR INTERACTION POTENTIALS IN DISORDERED FCC MN<sub>2</sub>Ni ALLOYS, JOURNAL OF PHYSICS F: METAL PHYSICS, 14, 211-220 (1984.)
- [13] O. MOZE AND T. J. HICKS, A MAGNETIC ENVIRONMENT MODEL OF MOMENT DEFECTS IN ANTIFERROMAGNETIC MN<sub>2</sub>Ni ALLOYS, JOURNAL OF PHYSICS F: METAL PHYSICS, 14, 221-223 (1984.)
- [14] O. MOZE, T. J. HICKS AND P. VON BLANCKENHAGEN, THE VARIATION OF SUB-LATTICE MOMENT

WITH COMPOSITION FOR ANTIFERROMAGNETIC Ni-MN ALLOYS, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 42, 103-106 (1984.)

[15] L. PARETI, F. BOLZONI AND O. MOZE, DIRECT OBSERVATION OF FIRST ORDER MAGNETIZATION PROCESSES IN SINGLE CRYSTAL  $\text{Nd}_2\text{Fe}_{14}\text{B}$ , PHYS. REV. B, RAPID COMMUNICATIONS, 32, NO 11, 7604-7606 (1985.)

[16] H. B. STANLEY, J. S. ABELL, M. R. IBARRA, E. W. LEE, O. MOZE AND B. D. RAINFORD, A DETERMINATION OF THE MAGNETO-ELASTIC COUPLING CONSTANT  $M_{12}$  FOR THE RARE EARTH COMPOUND  $\text{ERAl}_2$ , PHYSICA, 130B, 280-282 (1985.)

[17] O. MOZE, E. J. LINDLEY, B. D. RAINFORD AND D. MCKPAUL, SMALL ANGLE NEUTRON SCATTERING FROM DISORDERED NiMn ALLOYS, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 53, 167-174 (1985.)

[18] M. R. IBARRA, E. W. LEE, A. DEL MORAL AND O. MOZE, MAGNETIC ANISOTROPY AND SPIN RE-ORIENTATION IN  $\text{HoAl}_2$ , SOLID STATE COMMUNICATIONS, 53, NO 2, 183-186 (1985.)

[19] F. BOLZONI, O. MOZE AND L. PARETI, FIRST ORDER FIELD INDUCED MAGNETIZATION PROCESSES IN SINGLE CRYSTAL  $\text{Nd}_2\text{Fe}_{14}\text{B}$ , JOURNAL OF APPLIED PHYSICS, 62(2), 615-620 (1987.)

[20] L. PARETI, M. SOLZI, F. BOLZONI, O. MOZE AND R. PANIZZIERI, 3D MAGNETISM IN  $\text{Y}_2\text{Fe}_{14-x}\text{Me}_x\text{B}$  WITH ME= Co, Ni, Mn AND Cr, SOLID STATE COMMUNICATIONS, 61, NO 12, 761-766 (1987.)

[21] F. BOLZONI, F. LECCABUE, O. MOZE, L. PARETI AND M. SOLZI, 3D AND 4F MAGNETISM IN  $\text{Nd}_2\text{Fe}_{14-x}\text{Co}_x\text{B}$  AND  $\text{Y}_2\text{Fe}_{14-x}\text{Co}_x\text{B}$  COMPOUNDS, JOURNAL OF APPLIED PHYSICS, 61(12), 5369-5373 (1987.)

[22] F. BOLZONI, J. M. D. COEY, J. GAVIGAN, D. GIVORD, O. MOZE, L. PARETI AND T. VIADIEU, MAGNETIC PROPERTIES OF  $\text{Pr}_2\text{Fe}_{14-x}\text{Co}_x\text{B}$  COMPOUNDS, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 65, 123-127 (1987.)

[23] F. BOLZONI, F. LECCABUE, O. MOZE, L. PARETI AND M. SOLZI, MAGNETOCRYSTALLINE ANISOTROPY OF Ni AND Mn SUBSTITUTED  $\text{Nd}_2\text{Fe}_{14}\text{B}$  COMPOUNDS, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 67, 373-377 (1987.)

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