

PERSONAL INFORMATION

Prof. Fernando Cámara Artigas

POSITION

**Full professor SSD GEO/06 – Mineralogy
s.c. 04/A1 Geochemistry, Mineralogy, Petrology, Volcanology,
Georesources and Applications
at Dipartimento di Scienze della Terra “A. Desio” dell’Università degli
Studi di Milano**

WORK EXPERIENCE

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- 9/2016- present **Full professor in Mineralogy**
Università degli Studi di Milano, Milan, Italy
 - 11/2010 to 8/2016 **Full professor in Mineralogy**
Università degli Studi di Torino, Turin, Italy
 - 1/2006 to 1/11/2010 **Primo Ricercatore, II livello professionale a tempo indeterminato**
CNR - Istituto di Geoscienze e Georisorse – Pavia, Italy
 - 27/12/2001 to 2005 **Researcher, III livello professionale a tempo indeterminato**
CNR - Istituto di Geoscienze e Georisorse – Pavia, Italy
 - 1/2001 to 12/2001 **Researcher , III livello professionale ai sensi dell’art.36 Legge n.70/75.**
CNR-Centro di Studio per la Cristallografia e la Cristallografia, Pavia, Italy
 - 1/2000 to 12/2000 **Post-doct Researcher, EU Network on Mineral Transformations (ERB-FMRXCT97-0108)**
CNR-Centro di Studio per la Cristallografia e la Cristallografia, Pavia, Italy
 - 1/1999 to 12/1999 **Post-doct Researcher, EU Network on Mineral Transformations (ERB-FMRXCT97-0108)**
Laboratoire de Structure et Propriétés de l’État Solide, ESA 8008, CNRS, Villeneuve d’Ascq, France
 - Dal 12/1997 al 12/1998 **Researcher Assistant Post-doc**
Department of Geology, Arizona State University, Tempe, Arizona, USA
 - Dal 1/1996 al 12/1997 **Post-doct Researcher bursary "Programa de Formación de Personal Investigador en el Extranjero", M.E.C. DGICYT, Spain**
CNR-Centro di Studio per la Cristallografia e la Cristallografia, Pavia, Italy
 - Dal 1/1991 al 12/1994 **PhD bursary, Plan Nacional de Formación de Personal Investigador, M.E.C. DGICYT, Spagna**
Facultad de Ciencias, Universidad de Granada, Granada, Spain

EDUCATION AND TRAINING

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- 1/1991 to 12/1994 **PhD in Geological Sciences**
Università di Granada, Spain

 - Thesis title: “Crystal-chemical study of metamorphic minerals in mafic rocks of the Nevado-Filabride Complex (Betic Cordilleras, Spain)”.
 - Stage abroad during PhD (6 months 1992/3 months 1993): Department of Geology, University of Edinburgh (UK)/CNR-Centro di Studio per la Cristallografia e la Cristallografia, Pavia, (IT)
 - 10/1985 to 7/1990 **Geological Sciences Master degree**
Università di Granada, Spagna, 5 years degree

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Listening	
English	B2	C2	B2	B2	B2
	Selfassessment				
Italian	C2	C2	C2	C2	C2
	Selfassessment				
French	B1	B1	B1	B1	A2
	Selfassessment				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Communicative skills, scientific dissemination, acquired during the experience as a university teacher. Skills as chairman of scientific congress sessions .

Organisational / managerial skills Skills in managing complex organizational structures, acquired during the experience as Deputy Director of the Department and Coordinator of the PhD Programme (for 7 years).
 Research project management skills.
 Skills in the management of evaluation commissions for permanent positions in Italian universities

Driving licence B (1985)

FURTHER INFORMATION

Honors and awards 1995-1996 Best PhD thesis in Geology, Universidad di Granada, Spain.
 1990 Best Master in Geology National award. Ministerio de Educación y Ciencia M.E.C., Spagna
 1990 Best Master in Geology award. Academia de Ciencias Matemáticas, Físico-Químicas y Naturales de Granada, Spagna
 2010 Nominated “Fellow” della Mineralogical Society of America;
 In 2009 the new mineral **cámaraite** has been named after Fernando Cámara in recognition of his contributions in the fields of mineralogy and crystallography

Society memberships **Dal 07/1994 al 12/2004:** Sociedad Española de Mineralogía (SEM)
Dal 01/2001: Mineralogical Society of America (MSA)
Dal 09/2004: Associazione Italiana di Cristallografia (AIC)
Dal 01/2005: Società Italiana di Mineralogia e Petrologia (SIMP)
Dal 01/2008: Mineralogical Society of Great Britain and Ireland
Dal 06/2013: Mineralogical Association of Canada (MAC)

Editorial Role Associate Editor of the journal della rivista “Mineralogical Magazine” (published by the Mineralogical Society of Great Britain and Ireland, from Ottobre 2006 to 2012)
 From 2006 to 2013 Crystal Structures Editor “Mineralogical Magazine”
 Referee for varius IF journals: American Mineralogist, European Journal of Mineralogy, Physics and Chemistry of Minerals, Canadian Mineralogist, Meteoritics, Minerals, Mineralogical Magazine, Polyhedron Acta Crystallographica, Mineralogy and Petrology, Acta Crystallographica, Journal of Applied Crystallography

Roles in national scientific associations / societies Mineralogical Society of America Lecture Committee member, 2003-2005.
 Committee member of the Italian Gruppo Nazionale di Mineralogia (2009-2012) and (2019-2021).
 President of the Italian Gruppo Nazionale di Mineralogia (2022). Member of the Presidence

Commetee of the SIMP (2022)

Participation in the description of
new mineral species :

Mineral	Chemical formula	Year
Sassite	$Ti^{3+}_2Ti^{4+}O_5$	2022
Ziroite	ZrO_2	2022
Toledoite	$TiFeSi$	2022
Mizraite-(Ce)	$Ce(Al_{11}Mg)O_{19}$	2022
Griffinite	Al_2TiO_5	2021
Magnéliite	$Ti^{3+}_2Ti^{4+}_2O_7$	2021
Ferri-taramite	$Na(NaCa)(Mg_3Fe^{3+}_2)(Si_6Al_2)O_{22}(OH)_2$	2021
Aldomarinnoite	$Ba_2Mn^{3+}(AsO_4)_2(OH)$	2021
Kishonite	VH_2	2020
Oreillyite	Cr_2N	2020
Zinkgruvanite	$Ba_4Mn^{2+}_4Fe^{3+}_2(Si_2O_7)_2(SO_4)_2O_2(OH)_2$	2020
Patynite	$NaKCa_4[Si_9O_{23}]$	2019
Langhofite	$Pb_2(OH)[WO_4(OH)]$	2019
Laurentthomasite	$Mg_2K(Be_2Al)Si_{12}O_{30}$	2018
Fluorapophyllite-(Cs)	$CsCa_4(Si_8O_{20})F(H_2O)_8$	2018
Badakhshanite-(Y)	$Y_2Mn_4Al(Si_2B_7BeO_{24})$	2018
Carmeltazite	$ZrAl_2Ti_4O_{11}$	2018
Escheite	$Ca_2NaMnTi_5[Si_{12}O_{34}]O_2(OH)_3 \cdot 12H_2O$	2018
Armellinoite-(Ce)	$Ca_4Ce^{4+}(AsO_4)_4 \cdot H_2O$	2018
Demagistrisite	$BaCa_2Mn^{3+}_4(Si_3O_{10})(Si_2O_7)(OH)_4 \cdot 3H_2O$	2018
Bonacinaite	$Sc(AsO_4) \cdot 2H_2O$	2018
Dellagiustaite	VAI_2O_4	2017
Potassic-richterite	$^AK^B(NaCa)^CMg_5^TSi_8O_{22}^W(OH)_2$	2017
Hjalmarite	$^ANa^B(NaMn)^CMg_5^TSi_8O_{22}^W(OH)_2$	2017
Rüdlingerite	$Mn^{2+}_4V^{5+}As^{5+}O_7 \cdot 2H_4O$	2017
Piccoliite	$NaCaMn^{3+}_2(AsO_4)_2O(OH)$	2017
Fluorarrojadite-(BaNa)	$BaNa_4CaFe_{13}Al(PO_4)_{11}(PO_3OH)F_2$	2016
Magnesiobeltrandoite-2N3S	$Mg_6Al_{20}Fe^{3+}_2O_{38}(OH)_2$	2016
Lombardoite	$Ba_2Mn^{3+}(AsO_4)_2(OH)$	2016
Fluoro-tremolite	$A^BCa_2^CMg^TSi_7O_{22}^WF_2$	2015
Ferro-ferri-hornblende	$A^BCa_2^C(Fe^{2+}_4Fe^{3+})^T(Si_7Al)O_{22}^W(OH)_2$	2015
Canosioite	$Ba_2Fe^{3+}(AsO_4)_2(OH)$	2015
Castellaroit	$Mn^{2+}_3(AsO_4)_2 \cdot 4H_2O$	2015
Fluorcarmoite-(BaNa)	$BaNa_2Na_2CaMg_{13}Al(PO_4)_{11}(PO_3OH)F_2$	2015
Fogoite-(Y)	$Na_3Ca_2Y_2Ti(Si_2O_7)_2OF_3$	2015
Bobshanonnite	$Na_2KBa(Mn,Na)_8(Nb,Ti)_4(Si_2O_7)_4O_4(OH)_4(O,F)_2$	2014
Braccoite	$NaMn^{2+}_5[Si_5AsO_{17}(OH)](OH)$	2013
Saamite	$BaNa_3Ti_2Nb(Si_2O_7)_2O_2(OH)F(H_2O)_2$	2013
Grandaite	$Sr_2Al(AsO_4)_2(OH)$	2013
Kolskyite	$CaNa_2Ti_4(Si_2O_7)_2O_4(H_2O)_7$	2013
Lusernaite-(Y)	$Y_4Al(CO_3)_2(OH)_{10}F \cdot 10H_2O$	2012
Witzkeite	$Na_4K_4Ca(NO_3)_2(SO_4)_4 \cdot 2H_2O$	2011
Kazanskyite	$BaNa_3Ti_2Nb(Si_2O_7)_2O_2(OH)_2(H_2O)_4$	2011
Tazzoliite	$Ba_{4-x}Na_xTi_2Nb_3SiO_{17}[PO_2(OH)_2]_x(OH)_{(1-2x)} (0 \leq x \leq 0.5)$	2011
Billwiseite	$Sb^{3+}_5Nb_3WO_{18}$	2011
Veblenite	$KNa(Fe^{2+}_5)$	2010
Sveinbergeite	$Fe^{3+}_4Mn_7Nb_4(Si_2O_7)_2(Si_8O_{22})_2O_6(OH)_{10}(H_2O)_3$	2010
Kircherite	$Ca(Fe^{2+}_6Fe^{3+})Ti_2(Si_4O_{12})_2O_2(OH)_5(H_2O)_4$	2010
Fluoroleakeite	$[Na_{90}Ca_{36}K_{18}]_{\Sigma=144}(Si_{108}Al_{108}O_{432})(SO_4)_{36} \cdot 6H_2O$	2010
Paraershovite	$NaNa_2(Mg_2Fe^{3+}_2Li)Si_8O_{22}F_2$	2010
Carbobystrite	$Na_3K_3Fe^{3+}_2Si_8O_{20}(OH)_4 \cdot 4H_2O$	2009
Fluoro-aluminoleakeite	$Na_8(Al_6Si_6O_{24})(CO_3) \cdot 3.5H_2O$	2009
Fantappièite	$NaNa_2(Mg_2Al_2Li)Si_8O_{22}F_2$	2009
Aluminocerite-(Ce)	$[Na_{82.5}Ca_{33}K_{16.5}]_{\Sigma=132}(Si_{99}Al_{99}O_{396})(SO_4)_{33} \cdot 6H_2O$	2008
	$(Ce,Ca)_9Al(SiO_4)_3[SiO_3(OH)]_4(OH)_3$	2007

Arrojadite-(PbFe)	$A^1Pb^{A2}B^1Fe^{B2}Na_{1.2}Na_2^{Na3}Ca^MFe_{13}Al$ (PO ₄) ₁₁ ^{P1x} (PO ₃ OH) ^W (OH) ₂	2006
Arrojadite-(SrFe)	$A^1Sr^{A2}B^1Fe^{B2}Na_{1.2}Na_2^{Na3}Ca^MFe_{13}Al$ (PO ₄) ₁₁ ^{P1x} (PO ₃ OH) ^W (OH) ₂	2005
Arrojadite-(KNa)	$A^1K^{A2}Na^{B1}Na_{Na_{1.2}}Na_2^{Na3}Ca^MFe_{13}Al$ (PO ₄) ₁₁ ^{P1x} (PO ₃ OH) ^W (OH) ₂	2005
Dickinsonite-(KMnNa)	$A^1K^{A2}Na^{B1}Mn^{B2}Na_{Na_{1.2}}Na_2^{Na3}Ca^M(Mn,Fe,Mg)_{13}Al(P$ O ₄) ₁₁ ^{P1x} (PO ₃ OH) ^W (OH) ₂	2005
Farneseite	[(Na,K) ₄₆ Ca ₁₀] _{Z=56} (Si ₄₂ Al ₄₂ O ₁₆₈)(SO ₄) ₁₂ •6H ₂ O	2005
Parvo-mangano- edenite	Na (CaMn) Mg ₅ (Si ₇ Al)O ₂₂ (OH) ₂	2005
Parvo-mangano tremolite	□ (CaMn) Mg ₅ Si ₈ O ₂₂ (OH) ₂	2005
Ferroholmquistite	□ Li ₂ (Fe ²⁺ ₃ Al ₂) Si ₈ O ₂₂ (OH) ₂	2004
Sazhinite-(La)	Na ₃ LaSi ₆ O ₁₅ (H ₂ O) ₂	2004

Service roles in organizing national and international conference activities

- Member of the Scientific Committee of the 82° CONGRESSO NAZIONALE SIMP "L'arco Calabro-Peloritano e il Tirreno meridionale: vent'anni dopo" (Cosenza, CO, 18th-20th September 2002).
- Member of the Organizing Committee of the National School GNM-GNP-GNV-GABeC (Campiglia Marittima, 19th-23rd September 2006). Titolo della scuola: "[Le microstrutture: analisi ed applicazioni in materiali geologici](#)".
- Co-convener & co-chair of the session GMPV13-Phase transitions in mineralogical systems: from theory to experimental and natural observations during the General Assembly of the European Geosciences Union, 2008 Vienna, 13th-18th April 2008.
- Member of the Organizing Committee of the congress 1st SIMP-AIC JOINT MEETING, "Learning from and for the Planet Earth. Structures and Models in Earth, Materials and Life Sciences" (Sestri Levante, GE, 7th-12th September 2008). (<http://simp.dst.unipi.it/SIMP-AIC2008/home.htm>)
- Member of the Organizing Committee of the National School GNM-GABeC (Campiglia Marittima, 27th-30th September 2011). Name of the school: "[Minerals & Biosphere](#)".
- Co-convener & co-chair of the session MS 16: "Crystal chemistry and phase transitions in materials at non-ambient conditions" on the 27th European Crystallographic Meeting, Bergen, Norway, 6th-11th August 2012.
- Co-convener & co-chair of the session 6a "[Handling structural complexity: theoretical and experimental methods applied to unravel structural hierarchies](#)", Convenors: T. Balic, O.I. Siidra, F. Cámara, on the Mineralogical Conference 2012, Frankfurt/Main, Germany, 2nd-6th Settembre 2012.
- Member of the Scientific Committee del comitato scientifico del [GMT2014 Giornate Mineralogiche di Tavagnasco](#), Tavagnasco (Torino, Italy, 6th-8th June 2014)
- Member of the Organizing Committee of the meeting "[Impact of Crystallography on Modern Sciences](#)". Academy of Sciences of Turin, (25th June 2014 Turin, Italy)
- Co-convener & co-chair of the session S 5. "[Non-ambient conditions experiments for unraveling geological systems through mineral physics](#)", Convenors: P. Lotti & F. Cámara, SIMP-SGI-SoGel-AIV, Pisa, Italy. Congress "Geosciences: a tool in a changing world", 3rd-6th September 2017.
- Co-convener & co-chair of the session MS-6 "[Mineral structures and mineral characterization](#)" Convenors: F. Cámara & L. León-Reina, MISCA V (AIC-GE3C), Naples, Italy. Congress "Geosciences: a tool in a changing world", 4-7 September 2019.
- Co-convener & co-chair of the session S 2. "[Mineralogical Crystallography and New Minerals](#)", Convenors: F. Cámara & C. Carbone, SIMP-SGI-SoGel-AIV, Parma, Italy Congress "Il tempo del pianeta Terra e il tempo dell'uomo: Le geoscienze fra passato e futuro", 16th-19th September 2019.

Management activity

At the University of Milan

- from 2016: member of the Department Planning Commission (DST)
- from 2016: head of the Transmission Electron Microscopy Laboratory
- from 2017: member of the Teaching Board of the Doctorate in Earth Sciences
- from 2017 to 2019: representative of the Earth Science area in the Guarantee Commission for the assignment of Type A Post Doc Research Grants (D.R. 397 / 2017 of 25/10/2017)
- from 2018 to 2020: delegate responsible for the processing of personal data within the Department of Earth Sciences (D.R.)
- from 2018 to 2021: Coordinator of the Doctorate in Earth Sciences, University of Milan
- from 2018 to 2021: member of the Department Board

- from 2019: Expert Evaluator of Unimi internal calls.
- from 2021: Scientific Director of the Earth Sciences Library and member of the Scientific Commission of the Scientific Libraries Sector
- dal 2021: Coordinator of the Commission for the admission test to the Lm-74
- dal 2021: member of the Commission for the revision of the LM-74

At the University of Turin

- from 2010: member of the Department Council (DSMP, then DST)
- from 2010: member of the Department Board (DSMP., then DST)
- 2010-2012: Deputy Director of the Department (DSMP)
- 2012-2016: Deputy Director of Research of the Department (DST)
- since 2012: Coordinator of the Department Research Commission (DST)
- 2012-2014: Coordinator of the Department Logistics Commission (DST)
- 2012-2015: Coordinator of the Department Laboratories Commission (DST)
- 2010-2012: secretary of the Faculty of Science MM. FF. NN.
- since 2010: member of the Council of the Bachelor's Degree Course in Natural Sciences
- since 2010: member of the Council of the Bachelor of Science in Materials Sciences (later Materials Science and Technology)
- since 2011: member of the Teaching Board of the Doctorate in Earth Sciences
- 2012: member of the Doctoral Exam Commission (XXVIII cycle)
- from 2013: representative of the Department in the School of Nature Sciences
- from 2013 to 2016: President of CrisDi "Interdepartmental Center for the Development of Crystallography"

National or international research funding agencies referee

2018-2021: Member of the National Scientific Qualification Commission for the Settore Concorsuale 04/A1- Geochemistry, Mineralogy, Petrology, Volcanology, Georesources and Applications (art. 8, comma 1, D.D. n. 1052 del 2018). D.R. 0002812. 29-10-2018.

Attività didattica

- 2021-2022:** Course "Crystallography with Laboratory", master's degree in Earth Sciences, University of Milan (6 CFU)
- 2021-2022:** Course "Advanced Minero-Petrographic Diagnostics for Cultural Heritage", master's degree in Cultural Heritage, University of Milan (1 CFU)
- 2021-2022:** "Mineralogy" course, three-year degree in Geological Sciences, University of Milan (6 CFU)
- 2020-2021:** Course "Crystallography with Laboratory", master's degree in Earth Sciences, University of Milan (7.5 CFU)
- 2020-2021:** Course "Advanced Minero-Petrographic Diagnostics for Cultural Heritage", master's degree in Cultural Heritage, University of Milan (1 CFU)
- 2020-2021:** "Mineralogy" course, three-year degree in Geological Sciences, University of Milan (6 CFU)
- 2019-2020:** Course "Crystallography with Laboratory", master's degree in Earth Sciences, University of Milan (7.5 CFU)
- 2019-2020:** Course "Advanced Minero-Petrographic Diagnostics for Cultural Heritage", master's degree in Cultural Heritage, University of Milan (1 CFU)
- 2019-2020:** "Mineralogy" course, three-year degree in Geological Sciences, University of Milan (6 CFU)
- 2018-2019:** Course "Crystallography with Laboratory", master's degree in Earth Sciences, University of Milan (7.5 CFU)
- 2018-2019:** Course "Advanced Minero-Petrographic Diagnostics for Cultural Heritage", master's degree in Cultural Heritage, University of Milan (1 CFU)
- 2018-2019:** "Mineralogy" course, three-year degree in Geological Sciences, University of Milan (6 CFU)
- 2017-2018:** Course "Crystallography with Laboratory", master's degree in Earth Sciences, University of Milan (7.5 CFU)
- 2017-2018:** Course "Advanced Minero-Petrographic Diagnostics for Cultural Heritage", master's degree in Cultural Heritage, University of Milan (1 CFU)
- 2017-2018:** "Mineralogy" course, three-year degree in Geological Sciences, University of Milan (6 credits)
- 2016-2017:** Course "Crystallography with Laboratory", master's degree in Earth Sciences, University of Milan (7.5 CFU)
- 2016-2017:** Course "Advanced Minero-Petrographic Diagnostics for Cultural Heritage", master's degree in Cultural Heritage, University of Milan (1 CFU)
- 2016-2017:** "Mineralogy" course, three-year degree in Geological Sciences, University of Milan (6 credits)
- 2015-2016:** "Mineralogy with laboratory" course, three-year degree in Natural Sciences, School of

- Nature Sciences, University of Turin (6 credits)
- 2015-2016:** "Crystallography" course, three-year degree in Materials Science and Technology, School of Nature Sciences, University of Turin (3 CFU)
- 2015-2016:** "Advanced Crystallography" course (course in English), master's degree in Materials Sciences, School of Nature Sciences, University of Turin (3 CFU)
- 2014-2015:** "Mineralogy with laboratory" course, three-year degree in Natural Sciences, School of Nature Sciences, University of Turin (6 credits)
- 2014-2015:** "Crystallography" course, three-year degree in Materials Science and Technology, School of Nature Sciences, University of Turin (6 CFU)
- 2013-2014:** "Mineralogy with laboratory" course, three-year degree in Natural Sciences, School of Nature Sciences, University of Turin (8 credits)
- 2013-2014:** "Crystallography" course, three-year degree in Materials Science and Technology, School of Nature Sciences, University of Turin (6 CFU)
- 2012-2013:** "Mineralogy with laboratory" course, three-year degree in Natural Sciences, School of Nature Sciences, University of Turin (8 credits)
- 2012-2013:** "Crystallography" course, three-year degree in Materials Science and Technology, School of Nature Sciences, University of Turin (6 CFU)
- 2011-2012:** "Mineralogy with laboratory" course, three-year degree in Natural Sciences, Faculty of Science MM.FF.NN., University of Turin (8 credits)
- 2011-2012:** "Crystallography" course, three-year degree in Materials Sciences, Faculty of Science MM.FF.NN., University of Turin (7 CFU)
- 2010-2011:** "Mineralogy with laboratory" course, three-year degree in Natural Sciences, Faculty of Science MM.FF.NN., University of Turin (8 credits)
- 2010-2011:** "Crystallography" course, three-year degree in Materials Sciences, Faculty of Science MM.FF.NN., University of Turin (7 CFU)
- 2008-2009:** Course "Structural resolution of inorganic substances with unknown crystalline structure", Doctoral School in Earth Sciences, University of Padua
- 2008-2009:** Integrative course "Structural resolution of inorganic substances with unknown crystalline structure", master's degree in Geology and Technical Geology, University of Padua
- 2007-2008:** Integrative course "Structural resolution of inorganic substances with unknown crystalline structure", master's degree in Geology and Technical Geology, University of Padua
- 2000-2001:** Assistant laboratory of Mineralogy, master's degree in Geological Sciences, University of Pavia.
- 1996-1997:** Assistant of the Mineralogy course, master's degree in Natural Sciences, University of Pavia.
- 1993-1994:** Assistant of the courses of Crystallography and Mineralogy, master's degree in Chemical Sciences, Universidad de Granada, Spain.
- 1992-1993:** Assistant of the Petrology course, master's degree in Geological Sciences, Universidad de Granada.
- 1992-1993:** Assistant of the course of Crystallography, master's in Geological Sciences, Universidad de Granada, Spain.

Teaching in PhD courses:

- A.A. 2018-2019 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (1 CFU) <http://www.crisdi.unito.it/index.php/scuole-crisdi>
- A.A. 2017-2018 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (1 CFU) <http://www.crisdi.unito.it/index.php/scuole-crisdi>
- A.A. 2016-2017 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (1 CFU) <http://www.crisdi.unito.it/index.php/scuole-crisdi>
- A.A. 2014-2015 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (1 CFU) <http://www.crisdi.unito.it/index.php/scuole-crisdi>
- A.A. 2013-2014 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (2 CFU)
- A.A. 2011-2012 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (2 CFU)
- A.A. 2010-2011 X-ray diffraction with single crystal in non-ambient conditions in situ. CrisDi School (2 CFU)

He belongs to the Teaching Board of the Doctorate in Earth Sciences - UniMI.

Thesis supervision:

Thesis supervisor of Lisa Baratelli "Studio cristallografico di arseniati e vanadati del supergruppo della brackebushite provenienti della miniera della Valletta, Canosio, Val Maira

(CN)". Università degli Studi di Milano, master degree in Earth Sciences, anno accademico 2020–2021

Thesis supervisor of Adelaide Sala "Relazione tra tessiture di diformazione e polimorfismo nel serpentino. Studio su campioni naturali di serpentiniti dell'unità Malenco (Alta Valmalenco, SO)". Università degli Studi di Milano, master degree in Earth Sciences, anno accademico 2019–2020 (co-supervisor prof. Paola Tartarotti)

Thesis supervisor of Giulio Carnevale "Cristallochimica del V^{4+} nei minerali della miniera di Gambatesa, Val Graveglia, Liguria, Italia". Università degli Studi di Milano, three years degree Geological Sciences, anno accademico 2019–2020.

Thesis supervisor of Samuele Borciani "Ricerca su minerali delle classi solfuri, alogenuri e solfati nelle province magmatiche italiane con gestione delle informazioni attraverso sistemi informatici geografici (GIS)". Università degli Studi di Milano, three years degree Geological Sciences, anno accademico 2019–2020.

Thesis co-supervisor of Giovanni Vitali "Caratterizzazione di campioni di collezioni storiche di sublimati del Vesubio". Università degli Studi di Milano, three years degree Science and Technology for Studying and Preserving the Cultural Heritage and Information Storage Media, anno accademico 2018–2019 (supervisor prof. Francesco Demartin)

Thesis supervisor of Luca Allevi "Classificazione e Caratterizzazione dei Solfati del Museo del Dipartimento di Scienze della Terra A. Desio". Università degli Studi di Milano, three years degree Geological Sciences, anno accademico 2018–2019.

Thesis supervisor of Adelaide Sala "Caratterizzazione mineralogica, petrofisica e geomeccanica dei filoni steatitici appartenenti alle unità Malenco e Lanzada-S. Anna". Università degli Studi di Milano, three years degree Geological Sciences, anno accademico 2018–2019 (co-supervisor: prof. Tiziana Apuani)

Thesis co-supervisor of Marco Cantaluppi "Sistema $CaO-Al_2O_3-SiO_2$: indagini cristallografiche e mineralogiche mediante diffrazione e fluorescenza a raggi X". Università degli Studi di Milano, master degree in Earth Sciences, anno accademico 2017–2018 (co-supervisor: prof. Nicoletta Marinoni)

Thesis supervisor of Jusara Zanolli "Lo stato di conservazione dei minerali in ambiente di Museo. Solfuri: Cinabro, galena e pirite". Università degli Studi di Torino, Facoltà di Scienze M.F.N., three years degree in Natural Sciences, anno accademico 2014–2015

Thesis supervisor of Matteo Florio Furno "Studio del colore in campioni di cianite". Università degli Studi di Torino, Facoltà di Scienze M.F.N., three years degree in Natural Sciences, anno accademico 2014–2015 (co-supervisor: prof. Roberto Giustetto)

Thesis supervisor of Giovanni Azzolina "Crescita e caratterizzazione di cristalli singoli di zeolite $ALPO_4-34$ ". Università degli Studi di Torino, Facoltà di Scienze M.F.N., three years degree in Science and Technology of Materials, anno accademico 2014–2015 (co-supervisor: dr Linda Pastero).

Thesis supervisor of Laurea di Gabriele Viscovo "Sintesi e caratterizzazione di $MnFe_2O_4$ ". Università degli Studi di Torino, Facoltà di Scienze M.F.N., Master's years degree Science and Technology of Materials, anno accademico 2011–2012.

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Thesis co-supervisor of Matteo Orlandi "Ortopirosseno della acondrite Moama: ordine-disordine e storia termica". Università degli Studi di Pavia, Facoltà di Scienze M.F.N., Three years degree in Earth Sciences, anno accademico 2003–2004 (supervisor: prof. MC Domeneghetti).

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- International school “AMPHIBOLES: CRYSTAL CHEMISTRY, OCCURRENCE, AND HEALTH ISSUES” Mineralogical Society of America Short Course, Roma, Italia, 29th-31st October, 2007.
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- National school “Physical properties of minerals: how and why to dive into their knowledge”. GNM-SIMP Bressanone (BZ) 12th-15th February 2018.

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Personal data I authorize the use of my personal data pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data".