

CURRICULUM VITÆ

Paolo Colombo

- nato a Padova il 10.12.1960
- laureato in Ingegneria Chimica 110 e lode presso l'Università di Padova (18.12.1985)
- Ricercatore dal 1.4.90 (Raggruppamento Disciplinare I14A) e ricercatore confermato dal 1.4.1993, Facoltà di Ingegneria, Dipartimento di Ingegneria Meccanica, Università di Padova.
- Professore Associato (Raggruppamento Disciplinare ING-IND/22) dal 1/11/1998 sino al 31/10/2005, Facoltà di Ingegneria, Dipartimento di Chimica Applicata e Scienza dei Materiali, Università di Bologna.
- Adjunct Professor of Materials Science and Engineering, The Pennsylvania State University, USA (dal 1.7.2002).
- Professore Ordinario (Raggruppamento Disciplinare ING-IND/22) dal 1/11/2005, Facoltà di Ingegneria, Dipartimento di Ingegneria Meccanica, Università di Padova.
- Visiting Professor, Department of Mechanical Engineering, University College London, UK (dal 1/1/2007)
- Foreign Scientist (Visiting Professor) at INSA (Institut National des Sciences Appliquées de Lyon), Lyon, France, (Luglio 2015)
- Mercator Professor (DFG), Department of Ceramic, Glass and Construction Materials, Technical University Bergakademie Freiberg, Freiberg, Germany (8/2/2016-7/8/2016)

Diplomi/ borse di studio/ contratti/ periodi all'estero

- *Diploma* in flauto traverso, Conservatorio Statale di Musica "C. Pollini" di Padova.
- *Diploma* del Corso (annuale) di Specializzazione in Ingegneria del Vetro (Università di Padova, Facoltà di Ingegneria). (07/04/1988)
- *Diploma* di partecipazione alla *Scuola di Perfezionamento* "1st European School on Biomaterials"
- *Borsa di studio* Fondazione "G.Donegani" - Accademia Nazionale dei Lincei - per una ricerca sul tema: "Vetrificazione dei residui radioattivi simulati ad alta attività".
- *Contratto di collaborazione* con il Consorzio Interuniversitario Nazionale per la Fisica della Materia (I.N.F.M.) sul tema: "Sviluppo delle tecnologie Sol-Gel per produzione di films sottili superconduttori ad alta Tc"
- *Borsa di studio Fulbright* presso The Pennsylvania State University, USA, (A.A. 1991-1992), laboratorio del Prof. C.G.Pantano, Department of Materials Science and Engineering
- *Borsa* nell'ambito del Programma "Window on Science" dell' Air Force Office for Scientific Research (USA), periodo di attività di ricerca presso The Pennsylvania State University, USA, (15.7.1994-15.9.1994), laboratorio del Prof. C.G.Pantano, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (20.6.1997-15.9.1997), laboratorio del Prof. C.G.Pantano, Department of Materials Science and Engineering
- *Borsa CNR* "Short Term Mobility Program" per un periodo di attività di ricerca presso The Pennsylvania State University, USA, (11.8.1998-10.9.1998), laboratorio

dei Proff. C.G.Pantano and J.R. Hellmann, Department of Materials Science and Engineering

- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (25.7.1999-5.9.1999), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (24.7.2000-3.9.2000), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (15.7.2001-26.8.2001), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (20.7.2002-24.8.2002), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (19.7.2003-23.8.2003), laboratorio del Prof. C.G. Pantano, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (18.7.2004-23.8.2004), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (16.7.2005-25.8.2005), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (14.7.2006-26.8.2006), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (14.7.2006-26.8.2007), laboratorio del Prof. J.R. Hellmann, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (12.7.2008-24.8.2008), laboratorio del Prof. C.G. Pantano, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (18.7.2009-29.8.2009), laboratorio del Prof. C.G. Pantano, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (6.8.2010-28.8.2010), laboratorio del Prof. G. Messing, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (23.7.2011-21.8.2011), laboratorio del Prof. G. Messing, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (23.7.2012-31.8.2012), laboratorio del Prof. C.G. Pantano, Department of Materials Science and Engineering

- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (13.7.2013-31.8.2013), laboratorio del Prof. G. Messing, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (20.7.2014-24.8.2014), laboratorio del Prof. G. Messing, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (19.7.2015-24.8.2015), laboratorio del Prof. C.G. Pantano, Department of Materials Science and Engineering
- Periodo di *attività di ricerca* presso The Pennsylvania State University, USA, (23.7.2016-27.8.2016), laboratorio del Prof. G. Messing, Department of Materials Science and Engineering

Attività di ricerca

- Gli interessi di ricerca di Paolo Colombo includono nuovi processi di fabbricazione di vetri e ceramici porosi, manifattura additiva di vetro e materiali ceramici, lo sviluppo di componenti ceramici da polimeri preceramici e geopolimeri, la vetrificazione ed il riutilizzo di rifiuti industriali e naturali pericolosi.

Responsabile scientifico di contratti di ricerca:

- Responsabile scientifico contratto di ricerca tra ENEA ed Università di Bologna per “Sviluppo di tecniche di giunzione di compositi in fibra e matrice di carburo di silicio” (2000)
- Responsabile scientifico contratto di ricerca tra GIMAC ed Università di Bologna per “Una nuova tecnologia per la realizzazione di micromanufatti ceramici, in particolare microtubi, a partire da materiali polimerici pre-ceramici” (2001)
- Progetto NASA Grant # NAG2-1524 (9/1/2001-3/31/2003 – NASA Ames Research Base) “Evaluation of Si-O-C Foam Ceramics in Simulated Aerothermal Environments”, John R. Hellmann (Department of Materials Science and Engineering, The Pennsylvania State University) and Paolo Colombo *principal investigators*
- Responsabile scientifico contratto di ricerca tra Bitossi ed Università di Bologna per lo “Fabbricazione e Caratterizzazione di Materiali Ceramici Cellulari” (2004)
- Responsabile scientifico contratto di ricerca tra EOARD (European Office for Aerospace Research and Development) ed Università di Bologna per lo “Fabrication and Evaluation of Ceramic Microtubes by Extrusion of Pre ceramic Polymers”; Grant # FA8655-04-1-3055 (2004)
- Responsabile scientifico contratto di ricerca tra Petroceramics ed Università di Bologna per “Fabbricazione e Caratterizzazione di Componenti per Freni ad Elevate Prestazioni” (2005)
- Responsabile scientifico progetto di ricerca PRIN “Nanocompositi ceramici ottenuti da precursori polimerici e nanotubi di carbonio” (2005)
- Responsabile scientifico progetto europeo FP6 Marie Curie Research Training Network (RTN) “PolyCerNet - Tailored Multifunctional Polymer Derived NanoCeramics” (Contract No. MRTN-CT-019601) (2006-2009)

- Responsabile scientifico contratto di ricerca tra Bitossi ed Università di Padova per “Fabbricazione e Caratterizzazione di Materiali Ceramici Cellulari per Diverse Applicazioni” (2006)
- Responsabile scientifico contratto di ricerca tra Bitossi ed Università di Padova per “Studio su Mezzi Macinanti Ceramici” (2007)
- Responsabile scientifico contratto di ricerca tra Foseco ed Università di Padova per “Fabrication and Characterization of Low Density Ceramic Components for Metallurgical Applications” (2006)
- Responsabile scientifico contratto di ricerca tra Foseco ed Università di Padova per “Fabrication and Characterization of Low Density Ceramic Components for Metallurgical Applications” (2007)
- Responsabile scientifico contratto di ricerca tra VDM Cerasec ed INSTM per “Sviluppo di materiali refrattari a bassa densità tramite tecniche di espansione innovative” (2007)
- Responsabile scientifico contratto di ricerca tra Bloxer ed Università di Padova per “Studio su vetri resistenti al fuoco e materiali tumescenti basati su nanotecnologie innovative” (2008-2009)
- Responsabile scientifico contratto di ricerca tra INFN ed INSTM per “Produzione di pastiglie a base di carburo d’uranio” (2007 e 2008)
- Responsabile scientifico nazionale progetto di ricerca PRIN “Materiali con porosità gerarchica per adsorbimento e rimozione di inquinanti” (2008-2009)
- Progetto PIACE, Ministero dello Sviluppo Economico - Industria 2015 (2010-2013)
- Co-principal investigator contratto di ricerca tra Dow Chemical e The Pennsylvania State University su “Acicular Mullite Technology” (2010-2011)
- Responsabile scientifico progetto europeo FP7-PEOPLE-2010-ITN Marie Curie Actions - Networks for Initial Training (ITN) “FUNEA - FUnctional Nitrides for Energy Applications” (Contract No. 264873) (2011-2014)
- Responsabile scientifico contratto di ricerca tra King Abdulaziz City for Science & Technology (KACST) ed Università di Padova per “Research and development of Glass and Glass-Ceramic Materials” (2011-2014).
- Responsabile scientifico contratto di ricerca tra ATT S.p.A ed Università di Padova per “Studio del comportamento di componenti ceramici refrattari sollecitati termicamente” (2011).
- Partecipante contratto Progetto Strategico Ateneo Padova MAESTRA “From Materials for Membrane-Electrode Assemblies to Electric Energy Conversion and Storage Devices” (2013-2016)
- Partecipante contratto Progetto Ateneo BIOBONE (2014-2015)
- Responsabile scientifico contratto di ricerca tra ITT Italia s.r.l ed INSTM per “Fabbricazione e Caratterizzazione di Pastiglie per Freni ad Elevate Prestazioni” (2014-2015).
- Responsabile scientifico contratto di consulenza tra Desamanea SrL ed Università di Padova per “Stampa tridimensionale di componenti ceramici di grandi dimensioni per applicazioni in edilizia” (2015)
- Responsabile scientifico contratto di ricerca tra ISOCLIMA SpA ed Università di Padova per “Sviluppi speciali in ambito trasparenti per applicazioni navali, automotive ed edilizia” (2015-2016)

- Responsabile scientifico contratto di consulenza tra Petroceramics ed Università di Padova per “Polimeri preceramici con particolari prestazioni di alta conducibilità termica” (2015)
- Responsabile scientifico contratto di ricerca tra ITT Italia s.r.l ed INSTM per “Fabbricazione e Caratterizzazione di Componenti per Freni ad Elevate Prestazioni” (2015-2017).
- Responsabile scientifico contratto di ricerca tra ITT Italia s.r.l ed INSTM per “Fabbricazione e Caratterizzazione di Componenti per Freni ad Elevate Prestazioni a base di Materiali e Compositi Ceramici” (2016-2018).
- Responsabile scientifico progetto di ricerca FSE 2014-2020 dal titolo “Manifattura Additiva di Grandi Dimensioni di Ceramici (MAGDA)” (2016-2017)
- Responsabile scientifico progetto europeo H2020-MSCA-RISE-2016 “AMITIE” (Additive Manufacturing Initiative for Transnational Innovation in Europe) (Contract No. 734342) (2017-2020)
- Responsabile scientifico contratto di ricerca tra Swarovski ed Università di Padova dal titolo “Additive Manufacturing of Glass Components” (2017-2018)
- Responsabile scientifico progetto regionale RIR-FESR 2017 dal titolo “Additive Manufacturing & Industry 4.0 as Innovation Driver – ADMIN 4D” (2017-2019)
- Responsabile scientifico contratto di ricerca tra Swarovski ed Università di Padova dal titolo “Additive Manufacturing of Special Glass Components” (2018-2020)
- Responsabile scientifico progetto europeo H2020-NMBP-HUBS-2018 “LightCoce” (Building an Ecosystem for the up-scaling of lightweight multi-functional concrete and ceramic materials and structures) (Contract No. 814632) (2018-2021)
- Responsabile scientifico contratto di ricerca tra Trucker Subforniture ed Università di Padova dal titolo “Compositi a matrice geopolimerica” (2018)
- Responsabile scientifico contratto di ricerca tra ITT Italia s.r.l ed INSTM per “Fabbricazione e Caratterizzazione di Componenti per Freni ad Elevate Prestazioni” (2018-2020).
- Responsabile scientifico contratto di ricerca tra Electrolux ed Università di Padova dal titolo “Manifattura additiva di filtri ceramici per il trattamento dell’aria in elettrodomestici” (2019).
- Responsabile scientifico contratto di ricerca tra Trucker Subforniture ed Università di Padova dal titolo “Compositi a matrice geopolimerica” (2019)
- Responsabile scientifico nazionale progetto di ricerca PRIN 2017 “Nanostructured Porous Ceramics for Environmental and Energy Applications” (2019-2021)

Responsabile scientifico di Progetti di Ricerca Bilaterali

- Responsabile scientifico Progetto “Vigoni” Italia-Germania 1999 e 2000 (partner tedesco Prof. P. Greil University of Erlangen)
- Responsabile scientifico Progetto “Galileo” Italia-Francia 1999 e 2001 (partner francese Dr. J.C. Pivin, CNRS)
- Responsabile scientifico Progetto Italia-Egitto 2003-2005 (partner egiziano Dr. A. Francis, Central Metallurgical Research and Development Institute, Cairo)
- Responsabile scientifico Progetto “Vigoni” Italia-Germania 2006 e 2007 (partner tedesco Dr. R. Hauser, Technical University Darmstadt)

- Responsabile scientifico Progetto International Joint Project Italia-Inghilterra, The Royal Society 2006 e 2007 (partner inglese Prof. M. Edirisinghe, University College London, University of London)

Congressi (co)organizzati

1. Member, International Scientific Advisory Board, Conference “Shaping II”, Second International Conference on Shaping of Advanced Ceramics, October 24-26, 2002, Gent, Belgium
2. Member, International Program Committee, Conference “CREST-International Symposium on SiC/SiC Composite Materials R & D and Its Application to Advanced Energy Systems”, May 20-22, 2002, Kyoto, Japan
3. Member, International Program Committee, Conference “Syntactic and Composite Foams”, August 1-6, 2004, Banff, Canada
4. Co-organizer, Symposium “Mechanical Properties of Engineering Ceramics and Composites”, 28th International Cocoa Beach Conference and Exposition on Advanced Ceramics & Composites, January 25-30, 2004, Cocoa Beach, FL, USA
5. Co-organizer, Symposium “Porous Ceramics”, 55th Pacific Coast Regional & Basic Science Division Fall Meeting of the American Ceramic Society, September 12-15th, 2004, Seattle, WA, USA
6. Co-organizer, Symposium “Processing, Properties, and Applications of Porous Ceramics - A Symposium in Honor of David Green’s Contributions to these Topics”, 107th Annual Meeting & Exposition of the American Ceramic Society, April 10-13, 2005, Baltimore, MD, USA
7. Member, International Scientific Advisory Board, Conference “International Conference Porous Ceramic Materials (PCM 2005)”, October 20-21, 2005, Brugge, Belgium
8. Member, International Organizing Committee, Conference “9th International Conference on Ceramic Processing Science (ICCP5 - 9)”, January 8-11, 2006, Coral Springs, FL, USA
9. Member, International Scientific Advisory Board, Conference “Shaping III”, Third International Conference on Shaping of Advanced Ceramics, 10-12 May, 2006, Limoges, France
10. Member, International Advisory Board of Section E “Non Conventional Routes to ceramics”, Conference “International Ceramics Congress”, June 4-9, 2006, Acireale, Italy
11. Co-organizer, Symposium “Porous Ceramics”, 31st International Conference & Exposition on Advanced Ceramics and Composites, January 21-26, 2007, Daytona Beach, FL, USA
12. Lead organizer (session coordinator), Symposium “Porous functional ceramics”, 10th International Conference and Exhibition of the European Ceramic Society, June 17 - 21, 2007, Berlin, Germany
13. Member, International Program Committee, Conference “Syntactic and Composite Foams II”, August 5-10, 2007, Davos, Switzerland
14. Lead organizer, Symposium “B26. Highly Porous Metals and Ceramics”, Euromat 2007 - European Congress and Exhibition on Advanced Materials and Processes, September 10-13, 2007, Nuremberg, Germany

15. Lead organizer, Symposium “Porous Ceramics”, 32nd International Conference & Exposition on Advanced Ceramics and Composites, January 27- February 1, 2008, Daytona Beach, FL, USA
16. Member, Scientific Advisory Board, Symposium “Porous materials for environmental protection”, Conference “Innovation for sustainable production (i-SUP2008)”, April 22-25, 2008, Brugge, Belgium.
17. Member, International Organizing Committee, Conference “10th International Conference on Ceramic Processing Science (ICCPs - 10)”, May 25-28, 2008, Inuyama, Aichi, Japan
18. Member, Advisory Committee, 2nd International Congress on Ceramics” (ICC2), Verona, Italy, 29 June – 4 July 2008
19. Co-organizer, Special Symposium “Mechanical-Functional Performance of Advanced Composite/Porous Metallic/Ceramic Materials” nel Conference “International Conference on Multi-functional Materials and Structures”, July 28-31, 2008, Hong Kong, China
20. Member, International Organizing Committee, Conference “3rd International Workshop on Advanced Ceramics: IWAC03 “Innovative ceramics”, November 6-8 2008, Limoges, France.
21. Lead organizer, Symposium “Porous Ceramics”, 33rd International Conference & Exposition on Advanced Ceramics and Composites, January 24- 29, 2009, Daytona Beach, FL, USA
22. Lead organizer, Symposium “Polymer-Derived-Ceramics”, PacRim 8, May 31 - June 5, 2009, Vancouver, British Columbia, CA
23. Lead organizer, Symposium “B11 Highly Porous Metals and Ceramics,” Euromat 2009 - European Congress and Exhibition on Advanced Materials and Processes, Glasgow, UK, 7-9 September 2009
24. Member, International Advisory Committee per “Shaping IV” 4th International Conference on Shaping of Advanced Ceramics, Madrid, Spain, November 15-18, 2009.
25. Member, 11th International Conference on Advanced Materials, Rio de Janeiro, Brasil, September 20-25, 2009.
26. Lead organizer, Symposium “Porous Ceramics”, 34th International Conference & Exposition on Advanced Ceramics and Composites, January 24- 29, 2010, Daytona Beach, FL, USA
27. Member, Scientific Advisory Board, Symposium “Materials for sustainable production”, Conference “Innovation for sustainable production (i-SUP2010)”, April 18-21, 2010, Brugge, Belgium.
28. Member, International Advisory Committee. 3rd International Symposium on SiAlONs and Non-Oxides symposium, June 1-4, 2010, Cappadocia, Turkey.
29. Lead organizer, Symposium “Ceramics for Chemical, Electrochemical and Environmental Applications,” 12th International Ceramics Congress (CIMTEC), Montecatini, Italy, 13-18 June, 2010.
30. Member, Advisory Board, 11th International Conference on Ceramic Processing Science Zurich, Switzerland 29th August - 1st September, 2010
31. Member, Scientific Board, 7th Conference on High Temperature Ceramic Matrix Composites, September 20 - 22, 2010, Bayreuth, Germany

32. Member, Programme Committee, Conference “Cellular Materials,” October 27-29, 2010, Dresden, Germany
33. Member, International Scientific Advisory Committee (ISAC), “3rd International Congress on Ceramics” (ICC3), Osaka, Japan, November 14-18, 2010 e Lead co-organizer, Symposium “Porous ceramics for environmental protection and advanced industries”.
34. Lead organizer, Symposium “Porous Ceramics”, 35th International Conference & Exposition on Advanced Ceramics and Composites, January 23- 28, 2011, Daytona Beach, FL, USA
35. Member, International Scientific Committee, Conference “BaltSilica 2011. 5th Baltic Conference on Silicate Materials”, May 23 – 25, 2011, Riga, Latvia.
36. Member, International Program Committee, Conference “Syntactic and Composite Foams III”, May 29 - June 3, 2011, Calabria, Italy.
37. Lead organizer, Topical Symposium “Advancements and Innovation in Polymer-derived Ceramics”, 12th Conference of the European Ceramic Society, June 19-23 2011, Stockholm Sweden.
38. Lead organizer, Symposium “B33 Highly Porous Metals and Ceramics,” Euromat 2011 - European Congress and Exhibition on Advanced Materials and Processes, Montpellier, F, 12-15 September 2011
39. Lead co-organizer, “First China and Italy Bilateral Forum on Materials Science”, November 21-23, 2011, Shanghai, China
40. Lead organizer, Symposium “Porous Ceramics”, 36th International Conference & Exposition on Advanced Ceramics and Composites, January 22- 27, 2012, Daytona Beach, FL, USA
41. Member, Programme Committee, Conference “CellMat 2012”, 7-9 November 2012, Dresden, Germany.
42. Member, International Advisory Committee, International Conference Emergence of New Era in Glass and Ceramics (NEGC 2013), 17-19 January 2013, Ahmedabad, Gujarat, India
43. Lead organizer, Symposium “Porous Ceramics”, 37th International Conference & Exposition on Advanced Ceramics and Composites, January 27- February 1, 2013, Daytona Beach, FL, USA
44. Lead organizer, Symposium 4 “Polymer Derived Ceramics and Composites”, PacRim 10, June 2 – 7, 2013, San Diego, USA
45. Member, International Organization Committee of the International Conference on Ceramic Processing Science 12 (ICCP12), August 4-7, 2013, Portland, Oregon
46. Member, Scientific Committee, 8th Conference on High Temperature Ceramic Matrix Composites (HTCMC-8), September 22 - 26, 2013, Xi’an, China
47. Co-organizer, Symposium 4 “Polymer Derived Ceramics and Composites”, 8th Conference on High Temperature Ceramic Matrix Composites (HTCMC-8), September 22 - 26, 2013, Xi’an, China
48. Member, International Advisory Committee, 8th International Conference on High-Performance Ceramics (CICC-8), November 4 - 7, 2013, Chongqing, China
49. Lead organizer, Symposium “Porous Ceramics”, 38th International Conference & Exposition on Advanced Ceramics and Composites, January 26-31, 2014, Daytona Beach, FL, USA

50. Lead organizer, Symposium CH “Porous Ceramics for Environmental Protection, Energy-related Technologies and Advanced Industrial Cycles,” 13th International Ceramics Congress (CIMTEC), Montecatini, Italy, 8-13 June, 2014.
51. Member, International Advisory Committee, “5th International Congress on Ceramics” (ICC5), Beijing, China, August 17-21, 2014.
52. Member, Scientific Committee, Conference “European Society Glass Conference 2014”, 21-24 September 2014, Parma, Italy.
53. Member, Scientific Committee, Conference “Advanced Ceramics and Applications III: New Frontiers in Multifunctional Material Science and Processing”, 29th September-1st October 2014, Belgrade, Serbia.
54. Member, International Program Committee, Conference “Syntactic and Composite Foams IV”, November 2-7, 2014, Santa Fe, NM.
55. Member, Programme Committee, Conference “CellMat 2014”, 22-24 October 2014, Dresden, Germany.
56. Member, International Organizing Committee, Conference “Energy Materials Nanotechnology,” January 26-29, 2015, Orlando, FL, USA
57. Lead organizer, Symposium 9 “Porous Ceramics: Novel Developments and Applications”, 39th International Conference & Exposition on Advanced Ceramics and Composites, January 25-30, 2015, Daytona Beach, FL, USA
58. Member, International Advisory Board, Annual Meeting German Ceramic Society, 15-18 March 2015, Bayreuth, Germany
59. Co-organizer, Symposium “Advanced Nitrides and Related Materials,” 11th International Symposium on Ceramic Materials and Components for Energy and Environmental Applications, 14-19 June 2015, Vancouver, Canada
60. Co-organizer, Symposium “Macroporous Ceramics for Energy and Environmental Applications,” 11th International Symposium on Ceramic Materials and Components for Energy and Environmental Applications (CMCEE-11), 14-19 June 2015, Vancouver, Canada
61. Co-organizer, Symposium “Innovative processing and synthesis,” 14th European Ceramic Society Conference, 21-25 June 2015, Toledo, Spain
62. Co-organizer, symposium “Cellular Solids: Processing, Characterization, Modeling, and Applications,” ASME Applied Mechanics and Materials (McMat 2015) Conference, Seattle, WA, USA, June 29-July 1, 2015
63. Lead organizer, Symposium S4 “Polymer Derived Ceramics and Composites”, 11th Pacific Rim Conference on Ceramic and Glass Technology, August 30 - September 4, 2015, Jeju, Korea
64. Co-organizer, Symposium 30 “Ceramics Enabling Environmental Protection: Clean Air and Water”, 11th Pacific Rim Conference on Ceramic and Glass Technology, August 30 - September 4, 2015, Jeju, Korea
65. Member, Scientific Committee, congress “The International Porous and Powder Materials Symposium and Exhibition” (PPM2015), September 15-18, 2015, Cesme, Turkey.
66. Co-organizer Symposium “Porous Ceramics” at the 14th International Union of Materials Research Societies-International Conference on Advanced Materials (IURMS-ICAM 2015), October 25-29, 2015, Jeju, Korea.
67. Member, International Advisory Committee, 9th International Conference on High-Performance Ceramics (CICC-9), November 4-7, 2015, Guilin, China.

68. Member, International Advisory Committee, “International Conference on Ceramic & Advanced Materials for Energy and Environment (CAMEE2015)”, 13-18/12/2015, Bangalore, India
69. Lead organizer, World Academy of Ceramics FORUM 2016, 14-17 June 2016, Ravenna, Italy
70. Member, International Organization Committee of the International Conference on Ceramic Processing Science 13 (ICCP13), May 8-11, 2016, Nara, Japan.
71. Member, Organizing Committee, Symposium “Macroporous Ceramics for Advanced Applications through Innovative Processing,” Advanced Materials and Technologies for Sustainable Development (GFMAT 2016) Conference, June 26-30, 2016, Toronto, CA.
72. Lead organizer, Symposium H6 “Polymer Derived Ceramics and Composites”, 9th Conference on High Temperature Ceramic Matrix Composites (HTCMC-9), June 26-30, 2016, Toronto, CA.
73. Member, International Advisory Board, “6th International Congress on Ceramics” (ICC6), Dresden, Germany, August 21-25, 2016 (e Member, Organizing committee, Symposium “Cellular and porous ceramics”).
74. Member, International Advisory Committee, “6th international conference on Shaping of Advanced Ceramics” (Shaping VI), Montpellier, France, July 18-20, 2016.
75. Member, Programme Committee, Conference “CellMat 2016”, 7-9 December 2016, Dresden, Germany.
76. Lead organizer, Symposium 9 “Porous Ceramics: Novel Developments and Applications”, 41st International Conference & Exposition on Advanced Ceramics and Composites, January 23-27, 2017, Daytona Beach, FL, USA
77. Lead organizer, Symposium S4 “Polymer Derived Ceramics (PDCs) and Composites”, 12th Pacific Rim Conference on Ceramic and Glass Technology, May 21-26, 2017, Waikoloa, Hawaii, USA
78. Co-organizer, Symposium S27 “Ceramics for Enabling Environmental Protection: Clean Air and Water”, 12th Pacific Rim Conference on Ceramic and Glass Technology, May 21-26, 2017, Waikoloa, Hawaii, USA
79. Co-organizer, Symposium S7 “Porous Ceramics: Innovative Processing and Advanced Applications”, 12th Pacific Rim Conference on Ceramic and Glass Technology, May 21-26, 2017, Waikoloa, Hawaii, USA
80. Member of the organizing committee of the 15th International Conference on Advanced Materials (IUMRS-ICAM2017), Aug.27-Sep.1, 2017, Kyoto, Japan.
81. Co-organizer, Symposium “New Developments in Processing and Synthesis with a special focus on Additive Manufacturing”, 15th European Ceramic Society Conference, July 2-6, 2017, Budapest, Hungary
82. Member, International Advisory Committee, 10th International Conference on High-Performance Ceramics (CICC-10), November 4 - 7, 2017, Nanchang, China
83. Lead organizer, Symposium 9 “Porous Ceramics: Novel Developments and Applications”, 42nd International Conference & Exposition on Advanced Ceramics and Composites, January 20-26, 2018, Daytona Beach, FL, USA
84. Lead organizer, Symposium “Porous Ceramics for Environmental Protection, Energy-related Technologies and Advanced Industrial Cycles,” 14th International Ceramics Congress (CIMTEC), Perugia, Italy, 4-8 June, 2018.

85. Member, Organizing committee, Symposium “Porous and Cellular Ceramics”, “7th International Congress on Ceramics” (ICC7), Foz do Iguaçu, Brazil June 17-21, 2018.
86. Member, Organizing committee, Symposium “Polymer-derived ceramics development and applications”, “7th International Congress on Ceramics” (ICC7), Foz do Iguaçu, Brazil June 17-21, 2018.
87. Member, International Advisory Board, MSE2018. Sept. 25-27, 2017, Darmstadt, Germany.
88. Member, International Advisory Board, 6th International Symposium on Advanced Ceramics and Technology for Sustainable Energy Applications toward a Low Carbon Society (ACTSEA 2017). Oct. 31 - Nov. 3, 2017, Kaohsiung, Taiwan.
89. Member, Organizing committee, Symposium T3S4 “Porous and Cellular Ceramics: Porosity design and Engineering Applications”, 12th International Conference on Ceramic Materials and Components for Energy and Environmental Applications (CMCEE-12), Singapore July 22-27, 2018.
90. Member, International Scientific Committee, Conference "BaltSilica 2018. 8th Baltic Conference on Silicate Materials", May 30 – June 1, 2018, Riga, Latvia.
91. Lead organizer, Symposium 9 “Porous Ceramics: Novel Developments and Applications”, 43rd International Conference & Exposition on Advanced Ceramics and Composites, January 27-February 1st, 2019, Daytona Beach, FL, USA
92. Chair, XVI ECerS conference, Torino 16-20 June, 2019.
93. Lead organizer, Symposium S4 “Polymer Derived Ceramics (PDCs) and Composites”, 13th Pacific Rim Conference on Ceramic and Glass Technology, October 27-31, 2019, Okinawa, Japan.
94. Co-organizer, Symposium S7 “Porous Ceramics: Innovative Processing and Advanced Applications” 13th Pacific Rim Conference on Ceramic and Glass Technology, October 27-31, 2019, Okinawa, Japan.
95. Co-organizer, Symposium H6 “Polymer Derived Ceramics and Composites”, 10th Conference on High Temperature Ceramic Matrix Composites (HTCMC-10), June 26-30, 2019, Bordeaux, F.
96. Co-organizer, Symposium H6 “Additive Manufacturing”, 10th Conference on High Temperature Ceramic Matrix Composites (HTCMC-10), June 26-30, 2019, Bordeaux, F.
97. Co-organizer, Symposium “Polymer Derived Ceramics and Composites”, 11th International Conference on High-Performance Ceramics (CICC-11), May 23-27, 2019, Kunming, China.
98. Co-organizer, Symposium “Advanced Ceramics and Composites Derived from Condensed Molecular Phases for Energy and Environmental Applications”, 2nd Global Forum on Advanced Materials and Technologies for Sustainable Development (GFMAT-2), July 21-26, 2019, Toronto, Canada
99. General Chair, XVI European Ceramic Society Conference, Torino, 16-20 June, 2019
100. Co-organizer, Symposium 31 “Porous Ceramics: From Innovative Processing to Advanced Applications and Functionalities”, 13th Pacific Rim Conference on Ceramic and Glass Technology, October 27 - November 1, Okinawa, Japan

101. Lead organizer, Symposium 5 “Polymer Derived Ceramics (PDCs) and Composites”, 13th Pacific Rim Conference on Ceramic and Glass Technology, October 27 - November 1, Okinawa, Japan
102. Member, International Scientific Committee, 14th International Conference on Ceramic Processing Science (ICCPS14), March 24-27, 2019, Luleå, Sweden.
103. Lead organizer, Symposium 9 “Porous Ceramics: Novel Developments and Applications”, 44th International Conference & Exposition on Advanced Ceramics and Composites, January 26-31, 2020, Daytona Beach, FL, USA
104. Member International Advisory Committee, 8th International Congress on Ceramics (ICC8), Busan, Korea, August 23-27, 2020.
105. Lead organizer, Symposium “Additive Manufacturing and 3D Printing Technologies”, 8th International Congress on Ceramics (ICC8), Busan, Korea, August 23-27, 2020.
106. Lead organizer, Symposium “Porous Ceramics for Environmental Protection, Energy-related Technologies and Advanced Industrial Cycles,” 15th International Ceramics Congress (CIMTEC), Montecatini, Italy, 15-19 June, 2020.

Invited, Keynote and Plenary speaker

1. 7th European Ceramic Society Conference, Brugge, Belgium (9/9/01 – 13/9/01)
2. The 26th Annual International Conference on Advanced Ceramics & Composites, Cocoa Beach, FL (1/13/02 - 1/18/02)
3. 104th Annual Meeting & Exposition of the American Ceramic Society, St. Louis, MO (4/28/02 - 5/1/02)
4. CREST-International Symposium on SiC/SiC Composite Materials R & D and Its Application to Advanced Energy Systems, May 20-22, 2002, Kyoto, Japan
5. 8th European Ceramic Society Conference, Istanbul, Turkey (29/6/03 – 4/7/03)
6. Materials Week, Munich, Germany (16-18/9/03)
7. Royal Society Discussion on “Engineered Foams and Porous Materials”, London November 1-2, 2004
8. PACRIM-6 Meeting of the American Ceramic Society, September 11-16, 2005, Maui, HI, USA
9. International Conference Porous Ceramic Materials (PCM 2005)”, October 20-21 2005, Brugge, Belgium
10. “Shaping III”, Third International Conference on Shaping of Advanced Ceramics, 10-12 May 2006, Limoges, France
11. “International Ceramics Congress”, June 4-9 2006, Acireale, Italy
12. 10th European Ceramic Society Conference, Berlin, Germany (June 17-21, 2007)
13. **Keynote speaker**, Composites at Lake Louise 2007, Lake Louise, AB, Canada (October 28-November 2, 2007)
14. International Symposium “Developments in Ceramic Science and Engineering: The last 50 years,” UCL, London, UK, 10-11/4/2008
15. **Keynote speaker**, 4th International Symposium on Designing, Processing and Properties of Advanced Engineering Materials (ISAEM-2008), Nagoya, Japan, November 18-21, 2008
16. “Electronic Materials and Applications 2010”, January 20-22, 2010, Orlando, Florida

17. 11th International Conference on Ceramic Processing Science Zurich, Switzerland
29th August - 1st September, 2010
18. 7th Conference on High Temperature Ceramic Matrix Composites, September 20 -
22, 2010, Bayreuth, Germany
19. **Keynote speaker**, “Nanomats” workshop, 5-6 October 2010, Darmstadt, Germany
20. 3rd International Congress on Ceramics (ICC-3), 14-18 November 2010, Osaka,
Japan
21. BaltSilica 2011, 5th Baltic Conference on Silicate Materials, 23-25/5/2011, Riga,
Latvia
22. The 33rd Annual International Conference on Advanced Ceramics & Composites,
Daytona Beach, FL (22/1/12 - 26/1/12)
23. FORUM 2012, “New Frontiers of Ceramics for Sustainable Society,” World
Academy of Ceramics, 29/6-3/7 2012, Perugia, Italy
24. 4th International Congress on Ceramics (ICC-4), 14-18 July 2012, Chicago, USA
25. Cellular Materials 2012, 7-9 November 2012, Dresden, Germany.
26. The Saudi International Advanced Materials Technologies Conference-2012 -
Building Materials & Systems, 3-5 December 2012, Riyadh (KSA).
27. International Conference Emergence of New Era in Glass and Ceramics (NEGC
2013), 17-19 January 2013, Ahmedabad, Gujarat, India
28. **Plenary speaker**, International Porous and Powder Materials Symposium and
Exhibition, PPM 2013, Çeşme Izmir, Turkey, 3-6 September 2013.
29. 8th International Conference on High-Performance Ceramics (CICC-8), 4-7
November 2013, Chongqing, China.
30. **Keynote speaker**, 3rd International Symposium on Ceramics Nanotube Technology
(ISCeNT-3), 2-4 March 2014, Nagoya, Japan.
31. **Plenary speaker**, DKG-Annual Meeting 2014, Symposium on High-performance
Ceramic, 24-26 March 2014, Clausthal-Zellerfeld, Germany
32. **Plenary speaker**, conference “Advanced Ceramics and Applications III: New
Frontiers in Multifunctional Material Science and Processing”, 29th September-1st
October 2014, Belgrade, Serbia.
33. Cellular Materials 2014, 22-24 October 2014, Dresden, Germany.
34. 40th International Conference and Expo on Advanced Ceramics and Composites
(ICACC-40), January 26-29, 2016, Daytona Beach, FL, USA.
35. **Plenary speaker**, 60th Brazilian Ceramic Congress, May 15-18, 2016, Aguas de
Lindóia, Sao Paulo, Brazil.
36. 6th International Congress on Ceramics” (ICC6), Dresden, Germany, August 21-25,
2016.
37. **Keynote speaker**, 7th International Workshop on Advanced Ceramics (IWAC07),
Limoges, September 26-28, 2016.
38. **Plenary speaker**, VI Congreso Nacional de Pulvimetalurgia y I Congreso
Iberoamericano de Pulvimetalurgia, Ciudad Real, Spain, 7-9/6/ 2017.
39. 12th Pacific Rim Conference on Ceramic and Glass Technology, May 21-26, 2017,
Waikoloa, Hawaii, USA
40. **Keynote speaker**, AM Ceramics 2017, 11-12/09/2017, Vienna, Austria
41. **Plenary speaker**, 10th International Conference on High-Performance Ceramics
(CICC-10), November 4 - 7, 2017, Nanchang, China

42. **Plenary speaker**, DKG Symposium “Porous Ceramics: Manufacturing methods and applications”, 4-5/12/2017, Erlangen, Germany.
43. 42nd International Conference and Expo on Advanced Ceramics and Composites (ICACC-42), January 21-26, 2018, Daytona Beach, FL, USA.
44. 13th International Ceramics Congress (CIMTEC), Perugia, Italy, 4-8 June, 2018.
45. 7th International Congress on Ceramics (ICC7), Foz do Iguacu, Brazil June 17-21, 2018.
46. Cellular Materials 2018, 24-26 October 2018, Bad Staffelstein, Germany.
47. 2nd Nordic Conference on Ceramic and Glass Technology, 10-11/12/2018, Roskilde, Denmark.
48. **Plenary speaker**, Conference on Modern Materials and Manufacturing 2019, April 23-26, 2019, Tallinn, Estonia.
49. **Plenary speaker**, XII Conference of the Polish Ceramic Society, September 12-15, 2019, Zakopane, Poland.
50. 13th Pacific Rim Conference on Ceramic and Glass Technology, October 27 - November 1, Okinawa, Japan
51. **Keynote speaker**, 13th Pacific Rim Conference on Ceramic and Glass Technology, October 27 - November 1, Okinawa, Japan

Seminari

È stato invitato a tenere seminari riguardanti la propria attività di ricerca nelle seguenti istituzioni:

Europa: EMPA (Swiss Federal Laboratories for Materials Testing and Research, Duebendorf, Zurich, CH), Queen Mary and Westfield College, University of London (London, UK); Imperial College of Science, Technology and Medicine (London, UK); Cambridge University (Cambridge, UK); SGL Carbon (Bonn, D); ETH (Zurich, CH); CERAM (Stoke-on-Trent, UK); University of Manchester (Manchester, UK); University College London (London, UK); University of Sheffield (Sheffield, UK); Ecole Polytechnique Federale de Lausanne (EPFL, CH); University of Stockholm (SE); Oxford University (Oxford, UK); BAM (Federal Institute for Materials Research and Testing, Berlin (DE)); TU Bergakademie Freiberg (Freiberg, DE); Polish Academy of Sciences (PL); Aalborg University (DK);

USA: Pacific Northwest National Laboratory (WA, USA); Oak Ridge National Laboratory (TN, USA); Rennslear Politechnic Institute (NY, USA); The Pennsylvania State University (PA, USA); NASA Ames Research Center (CA, USA); University of Central Florida (Orlando, FL, USA); Drexel University (Philadelphia, PA, USA); Purdue University (West Lafayette, IN, USA); California Institute of Technology (CA, USA); GE Global Research (Niskayuna, NY, USA); Medtronic (Minneapolis, MN, USA); Corning (Corning, NY, USA); Dow Chemical (Midland, MI, USA); Dow Corning (Midland, MI, USA);

Asia: AIST (National Institute of Advanced Industrial Science and Technology, Nagoya, Japan); Nagoya Institute of Technology (Japan); Shanghai Institute of Ceramics, Chinese Academy of Sciences (Shanghai, China); Institute of Aeronautical Materials, Beijing (China); Northwestern Polytechnical University (Xi'an, China); National University of Defence Technology (Changsha, China); China University of Geosciences Beijing, Beijing (China); Harbin Institute of Technology, Harbin (China); Beijing Institute of Technology, Beijing (China); Tsinghua University, Beijing (China);

Resto del mondo: Federal University of Sao Carlos (Sao Carlos, SP, Brazil); Federal University of Santa Catarina (UFSC, Brazil); Technion Israel Institute of Technology (Haifa, Israel); King Abdullah University of Science and Technology (KAUST, KSA);

Invited papers

- È stato **invitato** a scrivere contributi per le seguenti riviste internazionali:
- *MRS Bulletin*
- *Current Opinion in Solid State & Materials Science*
- *Journal of Sol-Gel Science and Technology*
- *Journal of the American Ceramic Society*
- *Composite Science and Technology*
- *Soft Materials*
- *Journal of the European Ceramic Society*
- *Science*
- *Small*
- *Journal of Materials Science*
- *Materials Science and Technology*

Awards

- Academician of the World Academy of Ceramics (2006)
- Academician of the European Academy of Sciences – Materials Science Division (2016)
- Fellow of the American Ceramic Society (2010), in recognition of notable contributions to the ceramic arts and sciences
- Fellow of the Institute of Materials, Minerals and Mining (2011)
- Fellow of the European Ceramic Society (2017)
- Pfeil Award 2007 (The Institute of Materials, Minerals and Mining, London, UK) “for published work of particular merit in the field of ceramics”, for the paper “Ceramic-Polymer Composites for Ballistic Protection,” by P. Colombo, F. Zordan, and E. Medvedovski, *Adv. App. Ceram.*, **105**[2] (2006) 78-83
- Global Star Award 2010 (The Engineering Ceramics Division of the American Ceramic Society) “in recognition and appreciation of his substantial contribution to the success of the 2010 International Conference on Advanced Ceramics and Composites”
- Edward C. Henry Award 2011 (The Electronics Division of The American Ceramic Society) “for best paper written in the calendar year 2010 in the Journal of the American Ceramic Society or Bulletin on a subject related to electronic ceramics”
- Verulam Medal & Prize 2013 (The Institute of Materials, Minerals and Mining, London, UK) “in recognition of distinguished contributions to ceramics including refractories”
- ACerS Global Ambassador Award 2016 (The American Ceramic Society) “for his tireless efforts and leadership in the organization of numerous conferences and for his outstanding efforts in developing global collaboration and outreach for the Society”
- Premio di Laurea “Vittorio Gottardi” (AIMAT, 1987)

- 3rd place Best Student Poster Award (studente: J. Zeschky), The 26th Annual International Conference on Advanced Ceramics & Composites, Cocoa Beach, FL, 2002
- 1st place Best Student Poster Award (studente: A. Arcaro), 105th Annual Meeting & Exposition of the American Ceramic Society, Nashville, TN, 2003
- Best Paper Young Scientist Award (studente: L. Biasetto), E-MRS 2004 Spring Meeting, Strasbourg
- 3rd Place, Best Poster Award at the 38th ICACC, Daytona Beach, FL, January 27 – 31, 2014
- Best Poster Award, Workshop “How to exploit the porosity of geopolymers”, October 2nd, 2014, ISTECC, Faenza, I
- The paper “Engineering Porosity in Polymer-Derived-Ceramics” was a top cited article (papers between 2007 to 2011)
- The paper “Polymer-Derived Ceramics: 40 Years of Research and Innovation in Advanced Ceramics” was ranked by Web of Science 1st in citations in the category Materials Science, Ceramics (papers between 2007 to 2016)

Editorial boards

- Associate Editor, Journal of the American Ceramic Society, John Wiley & Sons, Inc., Hoboken, NJ, USA (ISSN 1551-2916)
- Member, Associate Editorial Board “Materials Letters”, Elsevier, Amsterdam, NL (ISSN: 0167-577X)
- Member, International Editorial Board “Ceramics International”, Elsevier, Amsterdam, NL (ISSN: 0272-8842)
- Member, Editorial Board “Journal of Porous Materials”, Springer Netherlands, Amsterdam, NL (ISSN: 1380-2224)
- Principal editor, “Journal of Materials Research,” Cambridge University Press, Cambridge, UK (ISSN 0884-2914)
- Member, Editorial Board “Journal of Asian Ceramic Societies”, Elsevier, Amsterdam, NL (ISSN 2187-0764).
- Member, Editorial Board “Materials”, MDPI, Basel, CH (ISSN 1996-1944).
- Member, Editorial Board “Advances in Applied Ceramics: Structural, Functional and Bioceramics” – formerly British Ceramic Transactions, Maney Publishing, London, UK (ISSN 1743-6753)
- Member, Editorial Board “Journal of Ceramic Science and Technology”, GÖLLER Verlag, D (ISSN 2190-9385)
- Member, Editorial Advisory Board “Open Condensed Matter Physics Reviews”, Bentham Science Publishers, Bussum, NL (ISSN 1874-1886)
- Member, Editorial Board “International Journal of Advances in Materials Science and Engineering” (2012), Wireilla Scientific Publications, Victoria, Australia (ISSN 2201-2311)
- Member, Editorial Board “Journal of Functional Materials” (2012), Chongqing Bureau of Publication of the General Administration of Press and Publication, PRC (ISSN 1001-9731)

- Member, until 2010, Editorial Board “Research Letters in Materials Science”, Hindawi Publishing Corporation, Cairo, Egypt (ISSN 1687-6822) – merged into “Advances in Materials Science and Engineering” (2010)
- Member, until 2011, Editorial Advisory Board “Open Condensed Matter Physics Journal”, Bentham Science Publishers, Bussum, NL (ISSN 1874-186X)
- Member, until 2013, Editorial Board “Advances in Materials Science and Engineering”, Hindawi Publishing Corporation, Cairo, Egypt (ISSN 1687-8434)
- Member, until 2014, Editorial Board “Bubble Science, Engineering and Technology,” Maney Publishing, London, UK (ISSN 1758-8960)
- Member, until 2014, Editorial Board “Advanced Engineering Materials”, WILEY-VCH, D (ISSN 1438-1656)

Guest editor/Editor

- **Guest Editor**, Special Issue “Cellular ceramic materials”, Vol. 104, No. 1, February 2005 per la rivista “Advances in Applied Ceramics: Structural, Functional and Bioceramics”
- **Guest Editor**, Special Issue “Highly Porous Metals and Ceramics”, Vol. 10, No. 3, 2008 per la rivista “Advanced Engineering Materials”
- **Guest Editor**, Special Issue “Glass and Ceramics from Waste”, Vol. 108, No. 1, January 2009 per la rivista “Advances in Applied Ceramics: Structural, Functional and Bioceramics”
- **Guest Editor**, Special Issue “Polymer-Derived-Ceramics”, Vol. 108, No. 8, November 2009 per la rivista “Advances in Applied Ceramics: Structural, Functional and Bioceramics”
- **Guest Editor**, Special Issue “Highly Porous Metals and Ceramics”, Vol. 14, No. 12, 2012 per la rivista “Advanced Engineering Materials”
- **Lead Guest Editor**, Focus Issue “Advances in the Synthesis, Characterization and Properties of Bulk Porous Materials”, Vol. 28, No. 17, 2013 per la rivista “Journal of Materials Research”
- **Co-Editor** del libro “Cellular Ceramics. Structure, Manufacturing, Properties and Applications”, Wiley-VCH, 2005
- **Co-Editor** del libro “Polymer Derived Ceramics. From Nano-Structure to Applications”, DESTech Publications, 2009

Altri titoli

- **Foreign Scientist** al Istitute National des Sciences Appliquées (INSA de Lyon), Lyon (France), 2015
- **DGF Mercator Professor** al Technical University Bergakademie Freiberg (Germany), 2016.
- **Membro** del EPSRC (Engineering and Physical Sciences Research Council) Peer Review College (2006-2009; 2010-2013, 2014-2017)
- **Membro** del World Academy of Ceramics (dal 2006)
- **Membro** del International Board of Advisors of the Young Ceramists Additive Manufacturing Forum (ECerS) (dal 2016)
- **Membro** del Centre for Materials Research of University College London (http://www.cmr.ucl.ac.uk/webpages/directory/people_pages/colombo_paolo.htm)

- **Membro** del Centro di Riferimento per i Materiali a Porosità Controllata del INSTM (altri membri: Università di Sassari, Università della Calabria, Politecnico di Torino)
- È stato **membro** di commissione di dottorato presso le seguenti istituzioni: Università di Padova (I); Università di Trento (I); Università di Bologna (I); Università di Trieste (I); Università di Udine (I); Queen Mary and Westfield College, University of London (UK); University College London, University of London (UK); ETH Zurich (CH); EPFL Lausanne (CH); University of Limoges (F); University of Montpellier (F); Institut National des Sciences Appliquées de Lyon (F); Bremen University (D); Technical University Clausthal (D); Oulu University (Finland); University of Melbourne (AUS); University of Madras (IN); Federal University of Sao Carlos (Brazil); Federal University of Santa Catarina (Brazil); Northwestern University (USA); The Pennsylvania State University (USA); Technical University Freiberg (D); Technical University Berlin (D); Aalborg University (DK); Swinburne University of Technology (AUS);
- È **membro** della Faculty of the Graduate School of The Pennsylvania State University, USA
- È stato **Presidente** del Consiglio di Corso di Laurea in Ingegneria dei Materiali dell'Università di Padova (dal 2/2008 al 30/9/2011)
- È stato **direttore** della Scuola di dottorato in Ingegneria Industriale dell'Università di Padova (2012-2013)
- È **coordinatore** del Corso di dottorato in Ingegneria Industriale dell'Università di Padova (2014-2017)
- È membro della **Giunta** della Consulta dei Coordinatori dei Corsi di Dottorato di Ricerca dell'Università di Padova (2017-)
- È **membro** del Comitato di Indirizzo Strategico della Stazione Sperimentale del Vetro, Murano (VE), (2013-2017)
- È **membro** del Comitato Tecnico della Stazione Sperimentale del Vetro, Murano (VE), (2018-)
- È **membro** del ACerS Publications Committee (2013-2017), del ACerS Presidential International Advisory Group, del ECD International Committee, del ACerS book committee (2011-14), del ACerS Kingery Award committee (2011-13), del Nominating committee (2016-2019) e del Edward Orton Jr. Memorial Lecture Committee (2016-2019)
- Panel reviewer for DFG 2011 Priority Programme 1568 “Design and Generic Principles of Self-healing Materials”, March 2011
- È Chair del International Advisory Panel per il progetto “Materials Systems for Extreme Environments”, EPSCR Grant (2012-2017)
- È membro del World Academy of Ceramics Advisory Board (2014-17) e (2018-2021).
- **Reviewer** per Journal of the American Ceramic Society; Journal of the European Ceramic Society; Chemistry of Materials; Journal of Sol-Gel Science and Technology; Journal of Materials Science; Journal of Hazardous Materials; Industrial and Engineering Chemistry Research; Journal of Applied Polymer Science; Advanced Engineering Materials; Advanced Materials; Materials Science and Engineering; NanoLetters; Composite Science and Technology; Ceramics International; Advances in Applied Ceramics; Materials Letters; Scripta Materialia;

- Acta Materialia; Physics and Chemistry of Solids; Journal of Bioactive and Compatible Polymers; Journal of the Royal Society Interface; Journal of the Royal Society Interface Focus; International Journal of Applied Ceramic Technology; Journal of Materials Processing Technology; Glass Technology: The European Journal of Glass Science & Technology Part A; Journal of Porous Materials; Journal of the American Chemical Society; e-Polymers; Macromolecular Rapid Communications; Microporous and Mesoporous Materials; Materials; Biomedical Materials; Journal of Ceramic Science and Technology; Bubble Science, Engineering and Technology; Carbon; Thin Solid Films; Materials Chemistry and Physics; Advances in Materials Science and Engineering; Angewandte Chemie; MRS Bulletin; Nature Materials; ACS Applied Materials & Interfaces; Energy Technology; Reactive and Functional Polymers; Reviews in Chemical Engineering; Arabian Journal for Science and Engineering; Scientific Reports; Langmuir; Journal of Materials Chemistry A; Università di Trento; National Science Foundation; Air Force Office for Scientific Research; Academy of Sciences of the Czech Republic; Engineering and Physical Sciences Research Council (UK), German Research Foundation (DFG); Swiss Competence Center Energy and Mobility (CCEM); Portuguese Foundation for Science and Technology; Latvian Science Council; Agence Nationale de la Recherche (ANR, F); Linz Institute of Technology (A); National Center of Science and Technology Evaluation (Kazakhstan); PAZY Foundation (Israel); Polish National Science Center; The Royal Society (UK);
- h index WOS (accessed 16/1/19): 41; Total Number of Citations: 6699 (without self-citations: 5961); Citing Articles: 4202 (without self-citations: 4025); Average Citations per Item: 26.58
 - h index Google Scholar (accessed 16/1/19): 56 (39 since 2014); Citations: 11348; i10 index: 185 (134 since 2014)
 - ORCID ID: 0000-0001-8005-6618
 - Scopus Author ID: 7202984554
 - ResearcherID: D-5112-2014

Associazioni

- Membro dell'American Ceramic Society (ACerS), della Società Ceramica Italiana, dell'Associazione Italiana di Ingegneria dei Materiali (AIMAT), del Institute of Materials, Minerals and Mining (IOM3), della Materials research Society (MRS), della World Academy of Ceramics (WAC) e della European Academy of Sciences (EurASc).

Partecipazione a Congressi, con presentazione di memorie:

International Workshop on Glasses and Ceramics from Gels (1991, 1993, 1995, 2001), Materials Research Society Spring Meeting (1992, 1994), Sol-Gel Optics (1992), American Ceramic Society Conference (1992, 1993, 1998, 1999, 2000, 2001, 2002, 2003, 2005), International Cocoa Beach Conference and Exposition on Advanced Ceramics and Composites (2002, 2003, 2004, 2005, 2006, 2007), International Daytona Beach Conference and Exposition on Advanced Ceramics and Composites (2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015), Pacific Rim Conference on Ceramic and Glass Technology (2009, 2013, 2015), European Commission on Glass Conference (1993, 2014), World Ceramic Conference (1994, 1998, 2006), European Ceramic Society

Conference (1995, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015), High-Temperature Ceramic Matrix Composites Conference (1995, 2004, 2010), E-MRS Meeting (1996, 2004), EUROMAT (2007, 2009, 2011, 2013), International Congress on Ceramics – ICC (2010, 2012).

Collaborazioni scientifiche

- Ing. B. Riccardi, Associazione EURATOM-ENEA sulla Fusione. CR-Frascati, Frascati (Roma)
- Prof. G. Sorarù, Dipartimento di Ingegneria dei Materiali, Università di Trento
- Prof. E. Tondello, Dipartimento di Chimica Inorganica, Metallorganica ed Analitica, Università di Padova
- Dr. J.C. Pivin, Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Orsay Campus, F
- Dr. E. Pippel, Dr. J. Woltersdorf, Max-Planck-Institut für Mikrostrukturphysik, Halle, D
- Prof. C.G. Pantano, Department of Materials Science and Engineering, The Pennsylvania State University, USA
- Prof. G. Messing, Department of Materials Science and Engineering, The Pennsylvania State University, USA
- Prof. J. Hellmann, Department of Materials Science and Engineering, The Pennsylvania State University, USA
- Prof. E. Manias, Department of Materials Science and Engineering, The Pennsylvania State University, USA
- Prof. E. Vogler, Department of Materials Science and Engineering, The Pennsylvania State University, USA
- Prof. Y. Gogotsi, Drexel University, USA
- Dr. R. Silberglitt, FM Technologies Inc., Fairfax, VA, USA
- Dr. W. Sherwood, Starfire Systems Inc., Watervliet, NY, USA
- Prof. P. Greil, University of Erlangen, D
- Prof. W. Schwieger, University of Erlangen, D
- Prof. G. Grathwohl, University of Bremen, D
- Dr. A. Neubrandt, Technical University Darmstadt, D
- Dr. S. Vaucher, EMPA, Thun, CH
- Prof. M. Hoffman, The University of New South Wales, AUS
- Dr. C. Lewinsohn, Ceramatec, Salt Lake City, UT, USA
- Prof. Y. Katoh, Kyoto University, Institute of Advanced Energy, J
- Dr. S. Johnson and M. Stackpoole, NASA Ames Research Center, Ames, CA, USA
- Dr. A. Andrighetto, INFN-LNL, I

Attività Didattica: corsi insegnati

- “Glass Science and Technology” (Ingegneria dei Materiali, LM, Università di Padova), dal 2014
- “Scienza e Tecnologia del Vetro” (Ingegneria dei Materiali, LM, Università di Padova), dal 2002 al 2013
- “Vetri” (Ingegneria Chimica, Ingegneria dei Materiali, LS, Università di Padova), dal 1994 al 2001

- Corso di Specializzazione in “Ingegneria del Vetro” (Università di Padova), dal 1995 al 1998
- “Chimica e Chimica Applicata” (Ingegneria Civile LT, Università di Padova), dal 2008
- “Tecnologia dei Materiali e Chimica Applicata” (Ingegneria Civile LT, Università di Padova), 2005, 2006, 2007
- “Materiali” (Ingegneria Chimica LT, Università di Padova), 2006, 2007
- “Tecnologia dei Materiali e Chimica Applicata” (Ingegneria Civile LT, Università di Bologna), dal 1998 al 2005
- “Materiali” (Ingegneria Meccanica LT, Università di Bologna), dal 2002 al 2005
- “Laboratorio di Materiali” (Ingegneria Civile LT, Università di Bologna), dal 2003 al 2005
- Corso di Master “Ingegneria Ceramica” (Università di Bologna), dal 1998 al 2009
- Corso di Master “Nanotechnologies” (Università di Venezia), dal 2005 al 2009

Elenco delle pubblicazioni scientifiche

Lavori pubblicati in peer-reviewed Journals

- 1) A. Maddalena, M. Guglielmi, A. Raccanelli, P. Colombo, "Influence of the dipping coating procedure on the mechanical strength of soda-lime glass rods". *J. Non-Cryst. Solids*, **100** (1988) 461-465
- 2) M. Guglielmi, P. Colombo, S. Zenezini, "Influence of the H₂O/TEOS ratio on the preparation of SiO₂ thin coatings by the sol-gel dipping method". *Mat. Chem. and Phys.*, **23** (1989) 453-463
- 3) M. Guglielmi, P. Colombo, "Crystallization of amorphous systems of iron and titanium oxides". *Ceram. Acta*, **3** (1989) 19-29
- 4) G. Principi, A. Gupta, M. Guglielmi, P. Colombo, "Mössbauer structural investigation of Fe₂O₃-TiO₂ gels". *Hyper. Inter.*, **56** (1990) 1717-1722
- 5) C. Pegoraro, S. Manoli, M. Guglielmi, P. Colombo, "Impregnation of ceramic rollers with ZrO₂ sol-gel solutions: preliminary investigations". *Interceram*, **54** (1989) 567
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