

CURRICULUM VITAE

ANTONIO FACCHETTI

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Date of Birth: 20 August 1967

Website URL: <http://faculty.wcas.northwestern.edu/~afa912/>

Experience

- Present - *Co-Founder and Chief Technology Officer*, Flexterra Corporation.
- *Adjunct Professor of Chemistry*, The Department of Chemistry and the Material Research Center, Northwestern University.
- *Peacock Team Leader*, South University of Science and Technology of China
- *Technology Advisor*, Raynergy Tek Corporation
- *Chairman of the Board of Directors*, Polyera Taiwan Corporation
- *Board of Directors*, Flexterra Taiwan Corporation
- 01/14-12/16 - *Chief Scientific Officer*, Polyera Corporation
01/14-08/16 - *Distinguish Adjunct Professor*, Center of Excellence for Advanced Materials, King Abdulaziz University
01/15-12/15 - *Visiting Foreign Professor*, Ningbo Institute of Material Technology & Engineering, Chinese Academy of Sciences
- 04/08-12/13 - *Co-Founder and Chief Technology Officer*, Polyera Corporation
2013 - *Visiting Professor of Nanotechnology and Sustainable Energies*, Master School, University of Palermo
03/08-01/10 - *Adjunct Associate Professor*, The Department of Chemistry and the Material Research Center, Northwestern University.
04/05-03/08 - *Research Associate Professor*, The Department of Chemistry and the Material Research Center, Northwestern University.
01/02-04/05 - *Research Assistant Professor*, The Department of Chemistry and the Material Research Center, Northwestern University.
08/02-12/02 - *Visiting Researcher*, Bell Laboratories, Lucent Technologies.
01/00-10/01 - *Research Associate*, Department of Material Science, University of Milano-Bicocca.
- *Instructor Organic Chemistry Laboratory Course* in Material Science, University of Milano-Bicocca.
02/00-9/00 - *Visiting Assistant Professor*, The Material Research Center, Northwestern University, Evanston.
09/96-03/97 - *Research Assistant* in Organic Chemistry, Department of Chemistry, University of Milano.
- *Instructor in Organic Chemistry Laboratory Degree Course* in Chemistry, University of Milano.

Education

- 09/98-12/99 - *Postdoctoral Fellow* in Organic Chemistry, Department of Chemistry, Northwestern University.
04/97-08/98 - *Postdoctoral Fellow* in Physical Organic Chemistry, Department of Chemistry, University of California at Berkeley.
11/93-11/97 - *Ph.D. in Chemistry*, University of Milano.
09/86-05/93 - *Laurea in Chemistry* (110/110 with honors), University of Milano.
09/81-06/86 - *Diploma in Industrial Chemistry*, A. Righi Institute.

Summary of Publications and Patents

404 Publications in Peered-Review Journals including: 2 *Nature*, 1 *Science*, 10 *Nature Mater.*, 4 *PNAS*, 1 *Nature Photonics.*, 1 *Nature Nanotech.*, 1 *Nature Commun.*, 2 *Chem. Rev.* 5 *Lamgmuir*, 5 *Macromolecules*, 8 *Chem. Commun.*, 6 *Nano Letters*, 7 *Angew. Chem.*, 16 *J. Mater. Chem.*, 9 *Org. Electronics*, 8 *J. Org. Chem.*, 19 *Adv. Funct. Mater.*, 20 *Chem. Mater.*, 38 *Adv. Mater.*, 24 *Appl. Phys. Lett.*, 69 *J. Am. Chem. Soc.*

93 US Patents Issued, 36 International Patents Issued, 3 Allowed Patents, 71 Formalized Patent Applications in Prosecution, 9 Provisional Patent Applications Filed in 2015-2016

Citation Report (as February 2017)

Sum of the Times Cited : 26532
 Citing Articles : 13921
 h-index : 83

Awards and Honors

2016 National Academy of Inventors Fellow
 2016 American Chemical Society (ACS) Award for Creative Invention
 2016 Fellow of the ACS Polymeric Materials Science and Engineering
 2015 Fellow of the Royal Society of Chemistry
 2014 Thomson Reuters Highly Cited Researcher
 2013 Fellow of the Materials Research Society
 2013 U.S. National Academy of Engineering, invited talk to the US Frontiers of Engineering Symposium
 2012 Fellow of the American Association for the Advancement of Science (AAAS)
 2011 R&D FlexTech Award
 2011 Selected Among "TOP 100 MATERIALS SCIENTISTS OF THE PAST DECADE (2000-2010)", Thomson Reuters
 2011 U.S. National Academies, invited talk to the first Arab-American Frontiers of Science, Engineering, and Medicine Program.
 2010 IDTechEx Printed Electronics Europe 2010 Award for the Development of Organic Materials
 2010 US National Academy of Science, invited to the Keck Futures Initiative Conference on Imaging Science
 2010 Fellow of the Kavli National Science Foundation
 2009 Bepi Colombo Prize Finalist
 2009 SCI (Italian Chemical Society) Research Prize
 2003 INSTM Participation Award
 1996 Summer School A. Corbella Participation Award
 1986 Farchemia Award to the Best Student in Industrial Chemistry

Services

2017 Editorial Board of *Applied Sciences*
 2017 Co-organizer of the Symposium "Advanced Polymers Semiconductors: Key Properties and High Performance Electronics" 2018 MRS Meeting
 2017 Committee Member of the AMD section of IMID2017
 2016 International Advisory Board of *ChemSusChem*
 2016 Co-organizer of the Symposium "Organic Semiconductor Materials" in International Conferences on Flexible and Printed Electronics 2016 (ICFPE2016), Yonezawa, Japan
 2016 Advisory Board of European Advanced Materials Congress, Stockholm, Sweden
 2015 Editorial Advisory Board of *Applied Materials Today*
 2015 Co-organizer of the Symposium "Advanced Materials for Photonics and Electronics: Fundamentals and Applications" Pacificchem Conference, Hawaii, USA
 2015 International Advisory Board Member, 13th European Conference of Molecular Electronics (ECME)
 2015 Large Area printed Electronics 2015 Scientific Board Member
 2015 Co-organizer of the Symposium "Molecularly Ordered Organic and Polymer Semiconductors: Fundamentals and Devices" Material Research Society Meeting, Boston, USA
 2015 Scientific Board Member, Large-area, Organic & Printed Electronics Convention (LOPEC) 2015
 2014 SPIE Meeting, Organic Photovoltaics XV Symposium Organizer
 2014 International Advisory Board Member of the International Fall School on Organic Electronics, Moscow, Russia
 2013 Editorial Advisory Board of *AIMS Materials Science*
 2013 International Advisory Board Member of the Symposium FG "Photovoltaic Solar Energy Conversion: Silicon and Beyond" of the 6th Forum on New Materials, Montecatini Terme, Italy
 2013 Associate Editor of *Indian Journal of Materials Science*
 2013 Co-organizer of the Symposium "Spin dynamics on organic semiconductor materials" Material Research Society Meeting, San Francisco, USA
 2012 Funding Editor of the journal "Organic Photonics and Photovoltaics"

- 2012 Industrial Advisory Board, International conference on the Science and Technology of Synthetic Metals, Georgia Institute of Technology.
- 2012 Co-organizer of the Symposium " Single-Crystalline Organic and Polymer Semiconductors: Fundamentals and Devices " Material Research Society Meeting, Boston, USA
- 2012 Co-organizer of the "International Symposium on Organic Transistors and Functional Interfaces -FET 2012", Princeton, USA
- 2012 Co-organizer of the Workshop " Organic Electronics and Photonics. From Single Crystals to Amorphous Films " Okinawa, Japan
- 2011 Associate Editor of *International Journal of Analytical Chemistry*
- 2011 Co-organizer of the Symposium " Charge Generation/Transport in Organic Semiconductor Materials" Material Research Society Meeting, Boston, USA
- 2011 Editorial Advisory Board of *Journal of Applied Polymer Science*
- 2010 Co-organizer of "International Symposium on Organic Transistors and Functional Interfaces -FET 2010", Les Diablerets, Switzerland
- 2010 Kavli National Science Foundation Fellow
- 2009 Invited Review Panelist for Binational Science Foundation
- 2009 Invited Nature Reader Panelist
- 2008 Invited Review Panelist for Austrian Science Foundation (FWF)
- 2008 Invited Review Panelist for NSF
- 2008 Invited Review Panelist for the Research Grants Council, Hong Kong
- 2008 Invited Review Panelist for the Academy of Sciences for the Developing World
- 2007 Invited Review Panelist for ACS-PRF fund
- 2007 Invited Review Panelist for INSTM
- 2007 Co-organizer of Symposium on "Polymeric and Molecular Materials for Opto-Electronics (233rd ACS National Meeting, PMSE Division), Chicago (USA)
- 2006 Invited Review Panelist for Austrian Science Foundation (FWF)
- 2006 Invited Review Panelist for NSF International Research Fellowship Program
- 2005 Invited Review Panelist for MIUR Research Strategic Programs
- 2000 Member of the examination committee of *Supramolecular Chemistry and Molecular Materials* University of Milano-Bicocca

International Journals Reviewed for: Angewandte Chemie, Advanced Materials, Advanced Functional Materials, Applied Physics Letters, Chemical Communications, Chemistry of Materials, European Journal of Organic Chemistry, Journal of the American Chemical Society, Journal of Applied Physics, Journal of Organic Chemistry, Journal of Materials Chemistry, Journal of Physical Chemistry B, Journal of Chemical Physics, Langmuir, Macromolecules, Materials Science & Engineering B, Nature, Nature Materials, Nature Chemistry, Nature Communications, Organometallics, Organic Letters, Organic Electronics, Synthetic Communications, Targets in Heterocyclic Chemistry, Tetrahedron, Tetrahedron Letters, Thin Solid Films

Professional Affiliations

Italian Chemical Society, American Chemical Society, Material Research Society, Institute of Electrical and Electronics Engineers (IEEE), American Association for the Advancement of Science, National Institute for Science and Technology of Materials

Research Interests

- 1. Printed/Organic Electronics.** A rapidly advancing area of technological and basic research is "plastic electronics"- in particular, organic thin film transistors (OTFTs) based on small molecule and polymer semiconductor and dielectric materials. OTFTs based on such advanced components have been proposed for a number of uses, such as flexible/bendable displays for commercial and military applications (rolling maps, soldier electronic textile), radio-frequency identification tags, smart cards, and sensors. The main goal of the present research is to design, prepare, and characterize novel organic semiconductors and dielectrics for the above applications that will compete with the current inorganic technology based on silicon chips.
- 2. Organic Photovoltaic Cells.** Photovoltaic (PV) cells based on organic photoactive donor-acceptor materials offer the promise of large-scale manufacture for producing cheap solar electricity with low-cost, light-weight, non-toxic, and earth-abundant materials. A major step to enable this technology will come from the rational engineering of

photoactive polymeric materials with tailored electronic structures and orbital energetics to optimize: light absorption, exciton splitting, active layer charge transport, interfaces for photocurrent collection, and film processing.

3. **Electro-Optic Materials and Devices.** Present-generation military and civilian radiofrequency (RF) systems are severely challenged by the lack of compact, lightweight, inexpensive components capable of efficient broadband RF analog signal distribution and processing. This research line focuses on developing and implementing unique, ultra-high response materials systems for very low-voltage, ultra-high-speed electro-optic devices (modulators, switches). The closely integrated focal areas are: a) Ultra-fast response components for molecular photonics materials and devices. b) Ultra-high response, intrinsically acentric self-assembled superlattice (SAS) materials. c) Electro-optic modulators fabricated with the above materials and unconventional electrode materials for use in the above systems.
4. **Organic Materials for Multiphotonics.** Organic molecules which can simultaneously absorb two or more photons to be promoted to their excited states have recently been the subject of much research work in the scientific community due to the growing interest in advanced photonic applications such as two-photon laser scanning fluorescence microscopy, photodynamic therapy, optical limiting, three-dimensional optical storage, microfabrication, and upconverted lasing. Many of these applications take advantage of the fact that the two-photon absorption (TPA) activity scales quadratically with the intensity of the incident laser radiation, leading to improved 3D resolution (as much as the 4th power). Some of these fields are further based on the fluorescence properties of the two-photon excited molecule. Finally, one important aspect is given by the fact that common organic dyes are linearly transparent to the wavelength of the incident radiation, providing increasing penetration in common biological tissues and organic coatings. In order to meet market criteria for these applications, molecules with large TPA cross-sections (large efficiency) are required and are the focus of this research area.
5. **Contrast Agents for Magnetic Resonance Imaging (MRI).** MRI is a diagnostic procedure that uses magnetic fields and computers to create images of certain areas inside the body, such as the brain, joints, breast, liver, and other soft tissues. Unlike x-rays, it does not involve ionizing radiation. Contrast agents (also called paramagnetic agents) are used to help provide a clear picture during MRI and therefore help diagnose problems or diseases such as cancer and cardiopathologies. One of the more commonly employed contrast agents, gadopentetate, has paradoxically poor contrast efficiency (~ 5 in a scale of 1-100). This research project targets the synthesis of new lanthanide contrast agents based on heteroaromatic ligands with much higher contrast efficiency for better imaging of tissue.

Research Supervision

Postdoctoral Researchers: Elisabetta Annoni (2003-2004), Gang Lu (2004-2006), Zhemin Wang (2005-2008), Shinji Ando (2006-2008), Paul Byrne (2006-2008), Shaofeng Lu (2006-2007), Hyun Sung Kim (2007-2010), Hui Huang (2008-2011), Sunho Jeong (2008-2009), Shiming Zhang (2009-2011), Seok Min Yoon (2010-2012), Pierre-Luc T. Boudreault (2011-2012), Xugang Guo (2010-2012), Jeremy Smith (2011-2014), Kang-Jun Baen (2012-present), Yu Xinge (2012-2014), Hui Yu (2013-2014), Atsuro Takai (2012-2013), Tobias Harshneck (2012-2013), Ferdinand Melkonyan (2013-2016), Alexander Dudnik (2013-2016); Wei Huang (2017-present); Binghao Wang (2017-present); Gang Wang (2016-present); Weigang Zhu (2016-present)

Ph.D. Students: Melissa Mushrush (1999-2003), Goeffrey R. Hutchison (2000-2004), Myung-Han Yoon (2001-2006), Sharon Koh (2003-2007), Joseph Letizia (2004-present), David Frattarelli (2004-2008), Sara DiBenedetto (2005-2009), Hyuk-Jin Choi (2005-2006), Hakan Usta (2005-2008), Choongik Kim (2006-2011), Young-Geun Ha (2007-2012), Jangdae Youn (2007-2012), Myung-Gil Kim (2007-2012), Jonathan Hennek (2009-2014), Brian Eckstein (2011-present), Katie Stallings (2011-present), Thomas Aldrich (2012-present).

Masters Students and Visiting Scientists: Silvia Terenghi (1995), Igor Maino (1995), Maurizio Iannone (1996), Giovanni Conca (1996), Elena Scaltritti (1997), Graziano Archetti (2001). *Summer/Visiting Students:* Michael A. Oar (2003), Sara DiBenedetto (2004), Jonathan Rivnay (2005), Ricio Lopez (2005), Michele Schiavo (2006), Roberto Macchi (2007), Selvaggia Landi (2007), Fabio Silvestri (2008), Antonio Carella (2008-2009), Rocio Ponce Ortiz (2008-2010), Diego Bagnis (2009), Alessandro Lunzo (2009), Gianluca Generali (2010), Alessandro Sanguineti (2010). Sara Tortorella (2011), Maria Paola Bracciale (2013); Riccardo Turrisi (2012-2014), Tim Erdmann (2015); Binghao Wang (2014-2016). Wei Huang (2014-2016); Simone Fabiano (2016-present); Yan Yao (2016-present); Tsu-Hui Su (2016-present)

Invited, Named, and Plenary Lectures

- 223 Okayama Workshop on Transport in organic Semiconductors, Okayama, Japan (programmed July)
- 222 Summer School "TRANSPORT PHENOMENA IN POLYMERS AND HYBRID MATERIALS" Lake Garda, Italy (programmed May)
- 221 252nd ACS National Meeting in San Francisco, CA
- 220 9th Singapore International Chemical Conference (SICC-9), Singapore
- 219 1st International Conference of Molecular Engineering of Polymers, Shanghai, China
- 218 2016 Fall MRS Meeting, Boston, MA USA
- 217 2016 Gordon Conference on Hybrid Electronic and Photonic Materials and Phenomena, Hong Kong University of Science and Technology, Hong Kong, PRC.
- 216 2016 Zing Conference on Organic Semiconductors, Croatia (September 2016)
- 215 2016 Second International Symposium on the Science of Plastic Electronics (SSSPE), Beijing, China
- 214 2016 Gordon Conference on Electronic Processes in Organic Materials, Lucca, Italy
- 213 2016 Nature Conference on Flexible Electronics - Challenges and Opportunities, Nanjing, China
- 212 2016 International Conference on the Science and Technology of Synthetic Metals, ICSM2016, China
- 211 2016 International Conference on Flexible and Printed Electronics 2016 (ICFPE2016), Yonezawa, Japan
- 210 2016 Hybrid Inorganic/Organic Systems for Opto-Electronics (HIOS) Seminar Series, Berlin, Germany
- 209 2016 251st ACS National Meeting in San Diego, CA
- 208 2016 International Conference on Organic Photovoltaic Materials and Devices, Hong Kong
- 207 2016 International Conference on Electronic Materials (ICEM-2016), Suntec City, Singapore
- 206 2016 Flexible Electronics Symposium for Techconnect 2016, Washington
- 205 2016 LOPEC 2016 Conference, Munich Germany
- 204 2016 International Symposium on Functional Materials, Okinawa, Japan
- 203 2015 1st International Conference on Applied Chemistry – (ICAC 2015), Jeddah, Saudi Arabia
- 202 2015 Chemistry, Materials and Light Conference, Bologna Italy
- 201 2015 International Fall School on Organic Electronics 2015 (IFSOE), Moscow, Russia
- 200 2015 IUPAC-2015 48th General Assembly, Busan, Korea
- 199 2015 NanoChina Conference Series, Beijing, PRC
- 198 2015 21st International Symposium on Fluorine Chemistry, Como Italy
- 197 2015 Organic Photovoltaics, SPIE Optics + Photonics Annual Meeting, San Diego, USA
- 196 2015 Organic Field-Effect Transistors, SPIE Optics + Photonics Annual Meeting, San Diego, USA
- 195 2015 Fpi12 Meeting, Seattle, WA, USA
- 194 2015 8th International Symposium on Flexible Organic Electronics (ISFOE15), Tassaloniki, Greece
193. 2015 European Polymer Congress 2015, Dresden, Germany
192. 2015 Sustainable Organic Electronics: Materials, Processes, and Devices, 98th Canadian Chemistry Conference, Ottawa, Canada
191. 2015 Fifth International Symposium on Organic Semiconductor Materials, Devices and Processing, 227th Meeting of The Electrochemical Society, Chicago, IL USA
190. 2015 Institute of Chemistry, Chinese Academy of Science, PRC
189. 2015 Italian Institute of Technology, Milan Italy
188. 2015 LOPE-C Technical Conference, Munich, Germany
187. 2015 Institute for Energy Efficiency, University of California, Santa Barbara
186. 2014 Fall MRS Meeting, Boston, MA USA
185. 2014 Materials Today Asia 2014 Conference, City University of Hong Kong, Hong Kong
184. 2014 University of Pennsylvania, Department of Chemistry, Pittsburg, USA
183. 2014 XII International Conference on Nanostructured Materials (NANO 2014), Moscow, Russia
182. 2014 Conjugated Polymer Workshop, Tokyo, Japan
181. 2014 The 6th World Conference on Photovoltaic Energy Conversion, Kyoto, Japan
180. 2014 Workshop on Organic Transistors and Related Ares, Osaka University, Japan
179. 2014 SID Organic Electronics UK 2014 Workshop, London, UK
178. 2014 Workshop New Opportunities in Oxides and Chalcogenides, Evanston, USA
177. 2014 International Conference on Electroluminescence and Organic Optoelectronics, Cologne, Germany
176. 2014 Organic Photovoltaics, SPIE Optics + Photonics Annual Meeting, San Diego, USA
175. 2014 Gordon Research Conference on Electronic Processes in Organic Materials, Italy
174. 2014 International Conference of Science and Technology of Synthetic Metals, Turku, Finland
173. 2014 Symposium FG "Photovoltaic Solar Energy Conversion: Silicon and Beyond", Montecatini, Italy
172. 2014 Photovoltaic Specialist Conference (PVSC), Denver, CO, USA

171. 2014 Charge Transport in Organic Materials, Bremen, Germany
170. 2014 Symposium of Conjugated Polymers for Optoelectronics and Electronics and Biosensors, Dallas, TX (USA)
169. 2014 Conference on Organic Devices: The Future Ahead. Mumbai, India
168. 2014 Department of Materials Science, University of Texas-Austin, USA
167. 2013 International Workshop on Organic Semiconductors, Tokyo, Japan
166. 2013 20th International Display Workshop, Sapporo, Japan (Programmed December)
165. 2013 Fall MRS Meeting, Boston, MA USA (Programmed December)
164. 2013 International Workshop on Flexible & Printable Electronics, Chonju, Jeollabuk-do, Korea
163. 2013 Nanofabrication Technologies for Scaled Roll-to-Roll and Print Manufacturing, Barcelona, Spain
162. 2013 University of Rome-Sapienza, Department of Chemical Engineering, Rome, Italy
161. 2013 US Frontiers of Engineering Symposium, National Academy of Engineering
160. 2013 IMID Business Forum, Ilsan, Korea
159. 2013 Italy-US Research in Nanotechnology: Toward Sustainable Energy, New York, USA
158. 2013 European Conference of Molecular Electronics (ECME 2013), London, UK
157. 2013 Organic Field-Effect Transistors XII Symposium, SPIE Optics + Photonics Annual Meeting, San Diego, USA
156. 2013 University of Santiago, Department of Chemistry, Santiago de Compostela, Spain
155. 2013 MURI Meeting, Minneapolis, MN, USA
154. 2013 Symposium on Materials and Processes for Flexible Devices and Electronics, U. Mass. Amherst, USA
153. 2013 2nd Saudi International Petrochemical Technology Conference, Saudi Arabia
152. 2013 Photovoltaic Technical Conference, Aix-en-Provence, France
151. 2013 Hybrid and Organic Photovoltaic Conference, Sevilla, Spain
150. 2013 7th Solvay-COPE Symposium, Bordeaux, France
149. 2013 EMRS Spring Meeting, Strasbourg, France
148. 2013 Workshop & Spring School "NextGen Nano PV, Cargese, Corsica, France
147. 2013 Charge transport in organic materials, Bremen, Germany
146. 2013 COMPOSIT Workshop, Indian Institute of Technology, Kharagpur India
145. 2013 Israeli Chemical Society Meeting, Haifa, Israel
144. 2013 Weizmann Institute of Science, Department of Organic Chemistry, Rehovot, Israel
143. 2013 Flextech Printed Electronics and Photovoltaic, Phoenix, CA USA
142. 2012 6th Edition "ElecMol12", Grenoble, France
141. 2012 Giornata Sintesi, Italian Chemical Society, Milan, Italy
140. 2012 59th Annual Symposium of the American Vacuum Society, Tampa, FL USA
139. 2012 OTFT2012 Meeting, Princeton, USA
138. 2012 International Symposium on Organic Electronics (ISOE2012), Okinawa, Japan
137. 2012 European Optical Society Meeting, Aberdeen, UK
136. 2012 3rdConference on Organic Photovoltaics, Würzburg, Germany
135. 2012 International Conference on Flexible and Printed Electronics (ICFPF), Tokyo, Japan
134. 2012 New and Old Polymers for Sustainable Chemistry, International School, University of Salerno, Salerno, Italy
133. 2012 The Polymer Science of Everyday Things Symposium, 243rd ACS National Meeting, Philadelphia, USA
132. 2012 Organic Field-Effect Transistors XI Symposium, SPIE Optics + Photonics Annual Meeting, San Diego, USA
131. 2012 XXI International Materials Research Congress, Cancun, Mexico
130. 2012 Organic Photovoltaics XIII Symposium, SPIE Optics + Photonics Annual Meeting, San Diego, USA
129. 2012 The 19th International Workshop on Active matrix Flat Panel Displays and Devices, Kyoto, Japan
128. 2012 Surfaces, Interfaces and Functionalization Processes in Organic Compounds Workshop, Parma, Italy
127. 2012 Pre-Seminar Tuition, LOPE-C Technical Conference, Munich, Germany
126. 2012 LOPE-C Technical Conference, Munich, Germany
125. 2012 Great Lake Chapter of the Chinese American Chemical Society Conference, Evanston, USA
124. 2012 6th Solvay-COPE Symposium, Pittsburgh, US
123. 2012 EMRS Spring Meeting, Strasbourg, France
122. 2012 Workshop on Polymers for Optics and Electronics, Case Western Reserve University, Cleveland USA
121. 2012 Spring MRS Meeting, San Francisco, CA USA
120. 2012 International Symposium on Electronic/Optic Functional Molecules, ECUST, Shanghai, China
119. 2012 Master School on Alternative Energies, University of Palermo, Italy
118. 2011 INRS Symposium on Advanced Materials and Nanotechnology, Varennes (QC), Canada
117. 2011 Fall MRS Meeting, Boston, MA USA
116. 2011 International Conference on Advanced Electromaterials, Jeju Island, South Korea
115. 2011 International Workshop on Flexible & Printable Electronics, Jeollabuk-do, Korea
113. 2011 IDMC (International Display Manufacturing Conference) and Asia Display, Ilsan, Korea
112. 2011 Symposium on Macromolecules, The Society of Polymer Science Japan, Okayama, Japan

111. 2011 Workshop on organic Transistors and Related Ares, ISIR, Osaka University, Japan
110. 2011 Department of Chemistry, Hiroshima University, Hiroshima, Japan
109. 2011 Osaka Prefecture University, Osaka, Japan
108. 2011 15th International Symposium on the Physics of Semiconductors and Applications, Jeju, South Korea
107. 2011 International Conference of Organic Electronics, Rome, Italy
106. 2011 International Conference of Metallic Coatings and Thin Films, San Diego, USA
105. 2011 Spring MRS Meeting, San Francisco, CA USA
104. 2011 Department of Chemistry, Southern Illinois University
103. 2011 Palo Alto Research Center Forum Seminar, Palo Alto, CA USA
102. 2010 Dept. of Computer Science & Electronics, Kyushu Institute of Technology, Iizuka, Japan
101. 2010 9th International Conference on Nano-Molecular Electronics, Kobe, Japan
100. 2010 Flextech Printed Electronics and Photovoltaic, Santa Clara, CA USA
99. 2010 Institute of Materials Research and Engineering, Singapore
98. 2010 Fall MRS Meeting, Boston, MA USA
97. 2010 Summer School in Materials Science, Bressanone, Italy
96. 2010 Department of Materials Science, UCSB, Santa Barbara, USA
95. 2010 Center for the Advancement of Printed Electronics Workshop, Western Michigan University, USA
94. 2010 National Academies Keck Futures Initiative Conference on Imaging Science, Irvine, USA
93. 2010 IDMC (International Display Manufacturing Conference) and Asia Display, Ilsan, Korea
92. 2010 Polydays 2010 Conference, Berlin, Germany
91. 2010, International Workshop on Flexible & Printable Electronics, Jeollabuk-do, Korea
90. 2010 National Academy of Science, 13th Chinese-American Kavli Frontiers of Science Symposium, Irvine, USA
89. 2010 IUPAC World Polymer Congress, Glasgow, Scotland
88. 2010 ACS-MRS-IEEE Organic Microelectronics and Optoelectronics Workshop, San Francisco, USA
87. 2010 INVO Meeting, Chicago, IL USA
86. 2010 Workshop on Excitonic Photovoltaic Materials and Devices, Brookhaven National Laboratory, New York, USA
85. 2010 93rd Canadian Chemistry Conference and Exhibition, Toronto, Canada
84. 2010 9th International Symposium on Functional π -Electron Systems, Atlanta, USA
83. 2010 4th Solvay-COPE Symposium, Leuven, Belgium
82. 2010 International Symposium on Organic Transistors and Functional Interfaces-FET 2010, Les Diablerets, Switzerland.
81. 2010 SPIE Photonics Europe, Brussels, Belgium
80. 2010 Spring MRS Meeting, San Francisco, CA USA
79. 2010 Ecole Polytechnique de Montreal, Engineering Physics Department, Montreal, Canada
78. 2010 International Symposium on Transparent Amorphous Oxide Semiconductors, Suzukake-dai Campus, Tokyo Institute of Technology, Japan
77. 2009 Conference on Organic Photovoltaic Technologies, Sezione Umbria SCI, Perugia, Italy
76. 2009 Fall MRS Meeting, Boston, MA, USA
75. 2009 Print 09 Conference, Chicago, IL, USA
74. 2009 Faculté Des Sciences et Génie, Université Laval, Bureau, Canada
73. 2009 University of Massachusetts-Amherst, Dep. Polymer Science
72. 2009 IDMC (International Display Manufacturing Conference) and Asia Display, Ilsan, Korea
71. 2009 AVS Meeting, San Jose, CA, USA
70. 2009 National Academy of Science, 12th Chinese-American Kavli Frontiers of Science Symposium, Kunming, China
69. 2009 Nanobusiness Conference, Chicago, IL, USA
68. 2009 NU-JNCASR Conference on Advanced Materials Research, Bangalore, India
67. 2009 Security and Defense SPIE Conference, Berlin, Germany
66. 2009 Italian Chemical Society National Meeting, Sorrento, Italy
65. 2009 LAPO-E Semiconductor Conference, Frankfurt, Germany
64. 2009 International Conference on Optical Probes of Conjugated Polymers and Organic Nanostructures, Beijing, China
63. 2009 University of Groningen, Department of Chemistry, Groningen, The Netherlands
62. 2009 Holst Centre / TNO. Eindhoven, The Netherlands
61. 2009 "Master en Quimica Avanzada" Lectures, University of Malaga, Malaga, Spain
60. 2009 University of Malaga, Department of Chemistry, Malaga, Spain
59. 2009 STMicroelectronics Labs, Catania, Italy
58. 2009 Scuola Superiore di Catania, Catania, Italy
57. 2009 Konarka Technologies, Lowell, MA USA
56. 2009 International Forum of Printed Active Displays, Seoul, South Korea
55. 2009 Samsung Labs, Advanced Materials Division, South Korea
54. 2008 Organic Semiconductor Conference, Frankfurt, Germany

53. 2008 Fall MRS Meeting, Boston, MA USA
52. 2008 International Symposium on Organic Transistors and Functional Interfaces, Sendai, Japan
51. 2008 IDMC (International Display Manufacturing Conference) and Asia Display, Ilsan, Korea
50. 2008 SPIE Meeting, San Diego, CA USA
49. 2008 Weizmann Institute of Science, Department of Chemistry, Rehovot, Israel
48. 2008 Nanyang Technological University, School of Materials Science and Engineering, Singapore
47. 2008 ENEA-CNR Center, Naples
46. 2008 Institute of Materials Research and Engineering, Singapore
45. 2008 University of Kentucky, Department of Chemistry, KT, USA
44. 2008 E-MRS Meeting, Strasbourg, France
43. 2008 MRS Meeting, San Francisco, CA USA
42. 2008 SPIE Photonics Europe, Strasbourg, France
41. 2008 Flexible Electronics and Display, Phoenix, AZ USA
40. 2007 University of Pisa, Department of Chemistry, Italy
39. 2007 University College London, Department of Physics and Astronomy, UK
38. 2007 Imperial College, Department of Physics, UK
37. 2007 University of Cambridge, School of Physical Sciences, UK
36. 2007 University of Naples Federico II, Department of Chemistry, Naples, Italy
35. 2007 3rd Global Plastic Electronics Conference & Showcase, Frankfurt, Germany
34. 2007 4th European Conference on Organic Electronics and Related Phenomana, Varenna, Italy
33. 2007 Organic RFID Workshop, Chicago, USA
32. 2007 Summer School of Materials Science, Bressanone, Italy
31. 2007 Organic Electronic Conference-07, Frankfurt, Germany
30. 2007 Italian Chemical Society-Organic Division Meeting, Cosenza, Italy
29. 2007 University of Parma, Department of Chemistry, Parma, Italy
28. 2007 Politecnico di Milano, Department of Chemical Sciences, Milano, Italy
27. 2007 SPIE Meeting-Organic Electronics, San Diego, CA USA
26. 2007 BASF-JKS Research Solution Polymers, Ludwigshafen, Germany
25. 2007 Spring MRS Meeting, San Francisco, CA USA
24. 2007 233rd ACS National Meeting, Chicago, IL USA
23. 2006 ICPOP Symposium on Photonic Materials and Devices, Lyon, France
22. 2006 USMS Workshop on Large-Area, Flexible Electronics, Gaithersburg, USA
21. 2006 CNR ISOC Bologna, Bologna, Italy
20. 2006 KICHe International Symposium on Display Materials and Processes, Daegu, South Korea
19. 2006 Seoul National University, Department of Materials Science, Seoul, South Korea
18. 2006 Pohang University, Department of Chemical Engineering, Pohang, South Korea
17. 2006 The Catholic University of Korea, Department of Chemistry, Seoul, South Korea
16. 2006 Yeungnam University, School of Chemical Engineering and Technology, Daedong, South Korea
15. 2006 LG Chem Labs, Advanced Materials Division, Daedong, South Korea
14. 2006 CLEO Optical Materials, Fabrication and Characterization, Long Beach, USA
13. 2006 Organic Electronic Conference-06, Frankfurt, Germany
12. 2006 Organic RFID Workshop, San Diego, USA
11. 2006 Fall MRS Meeting, Boston, MA USA
10. 2006 Advanced Heterostructures Workshop, Kohala Coast, Big Island of Hawaii, USA
9. 2005 University of Milan, Department of Chemistry, Milan, Italy
8. 2005 ACS/IEEE CPMT/MRS Organic Microelectronics Workshop, Newport, CT USA
7. 2005 NASA Molecular Conductor Workshop, Purdue University, Lafayette, IN USA
6. 2005 5th INSTM Meeting, Cagliari, Italy
5. 2005 Organic RFID Workshop, San Diego, CA USA
4. 2005 University of Milano-Bicocca, Department of Materials Science, Milan, Italy
3. 2004 IMAPS-Printing Organic and Molecular Electronic Technologies Meeting, Annapolis, MD USA
2. 2003 48th SPIE Meeting (Organic Field Effect Transistors II), San Diego, CA USA
1. 2003 IMAPS-Printing an Intelligent Future Meeting, Boston, MA USA

Publications: Contributions to Books

12. Facchetti. A. in *Molecular Semiconductors for Organic Field-Effect Transistors* Sun, S and Dalton, L. Eds., CRC Press/Taylor & Francis Group: Boca Raton, Florida, USA (2016)
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Patents

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