

Ph.D. CAROLINA ADAMO

Research Associate
Stanford University

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Professional experience

2012-Present: Research Associate, Department Applied Physics, Stanford University,
USA

2009-2012: Post Doctoral Research Fellow, Dep. of Materials Science and
Engineering, Cornell University, USA

2008-2009: Post Doctoral Research Fellow, Dep. of Materials Science and
Engineering, Penn State University, USA

2006–2008: Research Assistant, Penn State University, USA

Education

2008: Ph.D in Physics, University of Salerno, Italy

2004: Master of Science Degree in Physics, grade: 110/110 cum laude, University of
Salerno, Italy

Internship

2004-2005: Research Contract regarding the project: "Creation of operators for the
technological transfer from Public Research Agencies to small and middle
companies (Manager of the innovation in materials, devices and diagnostic
techniques for the electronic industry)" – Università degli Studi di Napoli
"Federico II".

Invited Lectures & Seminars

- **Seminar title:** "Electrical and magnetic properties of epitaxial $(\text{SrMnO}_3)_n/(\text{LaMnO}_3)_2$ superlattices" at MS&T '08 in Pittsburgh, Pennsylvania (2008).
- **Lecture:** "Manganite films and superlattices grown by Molecular Beam Epitaxy" at Binghamton University (State University of New York).

- **Invited talk:** Department of Materials Science and Eng., University of Delaware, (2009).
- **Invited talk:** “IBM Corporation”, Yorktown Heights, Ny, USA (2009).
- **Seminar:** Department of Physics, University of Denver, CO, USA (2009).
- **Invited talk:** Argonne National Lab., Argonne, IL, USA (2009).
- **Invited talk:** University of Texas in Dallas, TX, (2010).
- **Invited talk:** “Controlling the properties of the Manganites through the strain and dimensionality” at Binghamton University (State University of New York) (2010). (**Received offer for a tenure-track assistant professor at Binghamton University: declined**).
- **Invited talk:** The Electrochemical Society, Boston, MA (2011).
- **Invited talk:** Northeastern University, Materials Science department, Boston, MA (2011).
- **Invited talk:** University of Michigan, Physics department, Ann Arbor, MI (2011).
- **Invited talk:** IBM corporation at Albany (2012). (**Received an offer for a scientist position: declined**)
- **Invited talk:** University of British Columbia, Physics Department, Vancouver, Canada (February, 2012).
- **Invited talk:** SLAC, Stanford, CA (April 2012).
- **Invited talk:** Stanford University, Physics department, Stanford, CA (April 2012).
- **Invited talk:** University of California, San Diego, CA (May 2012)
- **Invited talk:** University of British Columbia, Physics Department, Vancouver, Canada (May, 2012)
- **Invited talk:** University of West Virginia, Physics Department, WV (May 2012) (**Received offer for a tenure-track assistant professor: declined**).

Journal Publications

2004-2006

1. Yu. Petrov, C. Aruta, S. Mercone, **C. Adamo**, I. Alessandri, L. Maritato, “Room Temperature Metal – Insulator Transition in As Grown $(La_{1-x}Sr_x)_yMnO_{3+d}$ Thin Films Deposited by Molecular Beam Epitaxy”, European J. of Phys. B **40**, 11, (2004).
2. S. Mercone, C.A. Perroni, V. Cataudella, G. De Filippis, **C. Adamo**, M. Angeloni, C. Aruta, F. Miletto, A. Oropallo, P. Perna, Yu. Petrov, U. Scotti di Uccio, and L. Maritato, “Transport Properties in Manganite Thin Films”, Phys. Rev. B **71**, 064415 (2005).
3. S. Mercone, C. Perroni, V. Cataudella, G. De Filippis, **C. Adamo**, M. Angeloni, C. Aruta, F. Miletto, A. Oropallo, P. Perna, Y. Petrov, U. di Uccio, G. Balestrino, and L. Maritato, “Intrinsic electric transport in CMR thin-films” Journal of Supercond. **18**, 719-722 (2005).
4. L. Maritato, **C. Adamo**, C. Barone, G. M. De Luca, A. Galdi, P. Orgiani, and A. Yu. Petrov, “Low-temperature resistivity of $La_{0.7}Sr_{0.3}MnO_3$ ultra thin films: Role of quantum interference effects” Phys. Rev. B **73**, 094456 (2006).
5. P. Orgiani, A. Yu. Petrov, **C. Adamo**, C. Aruta, C. Barone, G. M. De Luca, A. Galdi, M. Polichetti, D. Zola, and L. Maritato “In-plane anisotropy in the magnetic and transport properties of manganite ultrathin films” Phys. Rev. B **74**, 134419 (2006).

6. C. Barone, **C. Adamo**, A. Galdi, P. Orgiani, A. Yu. Petrov, O. Quaranta, L. Maritato, and S. Pagano “*Unusual dependence of resistance and voltage noise on current in $La_{1-x}Sr_xMnO_3$ ultrathin films*” Phys. Rev. B **75**, 174431 (2007).
7. P. Orgiani, **C. Adamo**, C. Barone, A. Galdi, A. Yu. Petrov, D. G. Schlom, and L. Maritato “*Influence of a single disorder parameter on the conduction mechanisms in manganite thin films*” Phys. Rev. B **76**, 012404 (2007).
8. P. Orgiani, A. Guarino, C. Aruta, C. Adamo, A. Galdi, A. Yu. Petrov, R. Savo, and L. Maritato “*Magnetotransport properties of epitaxial strain-less $La_{0.7}Ba_{0.3}MnO_3$ thin films*” J. Appl. Phys. **101**, 033904 (2007).
9. T. Heeg, M. Roeckerath, J. Schubert, W. Zander, Ch. Buchal, H. Y. Chen, C. L. Jia, Y. Jia, **C. Adamo** and D.G.Schlom “*Epitaxially stabilized growth of orthorhombic $LuScO_3$ thin films*” Appl. Phys. Lett. **90**, 192901 (2007).

2008

10. **C. Adamo**, A. Soukiassian, M. Warusawithana, X. Ke, P. Schiffer, L. Maritato and D. G. Schlom “*Electrical and magnetic properties of epitaxial $(SrMnO_3)_n / (LaMnO_3)_2n$ superlattices*” Appl. Phys. Lett. **92**, 112508 (2008).
11. W. Guo, A. Allenic, Y. B. Chen, X. Q. Pan, W. Tian, C. Adamo, and D. G. Schlom “*ZnO epitaxy on (111) Si using epitaxial Lu_2O_3 buffer layers*” , Appl. Phys. Lett. **92**, 072101 (2008).
12. S. Koveshnikov, C. Adamo, V. Tokranov, M. Yakimov, R. Kambhampati, M. Warusawithana, D. G. Schlom, W. Tsai, and S. Oktyabrsky. “*Thermal stability of electrical and structural properties of GaAs-based metal-oxide-semiconductor capacitors with an amorphous $LaAlO_3$ gate oxid*” Appl. Phys. Lett. **93**, 012903 (2008).
13. P. Orgiani, **C. Adamo**, C. Barone, A. Galdi, S. Pagano, A. Yu. Petrov, O. Quaranta, C. Aruta, R. Ciancio, M. Polichetti, D. Zola, and L. Maritato “*Epitaxial growth of $La_{0.7}Ba_{0.3}MnO_3$ thin films on MgO substrates: Structural, magnetic, and transport properties*” J. Appl. Phys. **103**, 093902 (2008).

2009

14. X. Ke, **C. Adamo**, D. G. Schlom, M. Bernhagen, R. Uecker, and P. Schiffer “*Magnetic anisotropy of single crystalline $DyScO_3$* ”, Appl. Phys. Lett. **94**, 152503 (2009).
15. **C. Adamo**, C.A. Perroni, V. Cataudella, G. De Filippis, P. Orgiani and L. Maritato “*Tuning the metal-insulator transitions of $(SrMnO_3)_n/(LaMnO_3)_2n$ superlattices: Role of interfaces*”. Phy. Rev. B **79**, 045125 (2009).
16. **C. Adamo**, X.ke, T.Heeg, P.Schiffer, L.Maritato, and D.G.Schlom “*Influence of strain on the electrical and magnetic properties of $La_{1-x}Sr_xMnO_3$ thin films*” Appl. Phys. Lett. **95**, 112504 (2009).
17. M. Lane, Seung-Yeul Yang, Steven Byrnes, Thomas Conry, S. Basu, Drew Paran, Lothar Reichertz, Jon Ihlefeld, **C Adamo**, Alex Melville, Ying-Hao Chu, Chan-Ho Yang, Janice Musfeldt, Darrell Schlom, Joel Ager III, and R. Ramesh, “*Photovoltaic effects in $BiFeO_3$* ” Appl. Phys. Lett. **95**, 062909 (2009).
18. C. Aruta, **C. Adamo**, A. Galdi, P. Orgiani, V. Bisogni, N. B. Brookes, J. C. Cezar, P. Thakur, C. A. Perroni, G. De Filippis, V. Cataudella, D. G. Schlom, L. Maritato, and G. Ghiringhelli “*Digitally controlled magnetic phase separation and orbital occupation in $(SrMnO_3)_n/(LaMnO_3)_2n$ superlattices*” Phy Rev B **80**, 140405 (2009).
19. R. J.Zeches, M. D. Rossell, J.X. Zhang, A. J. Hatt, Q. He, C-H. Yang, A. Kumar, C.H. Wang, A. Melville, **C.Adamo**, G. Sheng, Y-H. Chu, J.F. Ihlefeld, R. Erni, C. Ederer, V.

- Gopalan, L.Q. Chen, D.G. Schlom, N.A. Spaldin, L. W. Martin, R. Ramesh. “*A strain-Driven Morphotropic phase boundary in BiFeO₃*”, *SCIENCE* **326**, 977 (2009).
20. Gerald Lucovsky, Kwun-Bum Chung, Leonardi Miotti, Karen Pas Bastos, Carolina **Adamo**, Darrell Schlom “*Comparisons between intrinsic bonding defects in d0 transition metal oxide such as HfO₂, and impurity atom defects in d0 complex oxides such as GdScO₃*”. *Solids-State Electronics* **53**, 1273–1279 (2009)

2010

21. M. Belmenguenaï, S. Merccone, **C. Adamo**, *et al.* “*Temperature dependence of magnetic properties of LaSrMnO₃/ SrTiO₃ thin films on silicon substrates*”, *Phys. Rev. B* **81**, 054410 (2010).
22. M. Huijben, L. W. Martin, Y. H. Chu, H.J.A. Molegraaf, M. Couillard, P. Yu, N. Balke, J. Ihlefeld, **C. Adamo**, J. Hoffman, C. Vaz, K. Yamauchi, S. Dong, S. Yunoki, R. Yu, S. Liang, A. Moreo, M. Daghofer, D.G. Schlom, G. Rijnders, C. Ahn, D. A. Muller, S. Okamoto, S. Picozzi, E. Dagotto, R. Ramesh and D.H.A. Blank “*Electrically controlled magnetization in an oxide multiferroic/ferromagnet heterostructure*” (submitted to *Nature Materials*).
23. Perucchi, Baldassarre, Nucara, Calvani, **C. Adamo**, Schlom, Orgiani, Maritato, and Lupi, “*Optical properties of (SrMnO₃)_n/(LaMnO₃)_{2n} superlattices: an insulator-to-metal transition observed in the absence of disorder*”, *NanoLetters* **10**, 4819 (2010).

2011

24. Christopher T. Nelson, Benjamin Winchester, Yi Zhang, Sung-Joo Kim, A. Melville, **C. Adamo**, Chad M. Folkman, Chang-Beom Eom, Darrell G. Schlom, Long-Qing Chen, and Xiaoping Pan, “*Spontaneous vortex nanodomain in arrays at ferroelectric heterointerfaces*”, *NanoLetters*, (2011).
25. M. Belmenguenaï, S. Merccone, **C. Adamo**, T. Chauveau, L. Mechin, P. Monod, P. Moch, and D. G. Schlom, “*La_{0.7}Sr_{0.3} MnO₃ thin films on SrTiO₃ and CaTiO₃ buffered Si substrates: structural, static, and dynamic magnetic properties*”, *J. Nanopart. Res* (2011).
26. G. Lucovsky, L. Miotti, Karen Paz Bastos, **C. Adamo**, and D.G. Schlom, “*Spectroscopic detection of hopping induced mixed valence for Ti and Sc in GdSc_{1-x}Ti_xO₃ for x greater than the percolation threshold of 0.16*”, *J. Vac. Sci. Technol. B* **29**, 1 (2011).
27. G. Lucovsky, L. Miotti, D. Zeller, **C. Adamo**, and Darrell Schlom, “*X-ray absorption studies of elemental and complex transition metal (TM) oxides: Differences between: (i) Chemical, and (ii) Local site symmetry multivalency*” *IEEE* (2011).
28. **C. Adamo**, R. Misra, S. A. Denev, A. SenGupta, J. A. Mundy, J. H. Lee, D. A. Muller, V. Gopalan, P. Schiffer, and D. G. Schlom, “*Effect of Strain and Dimensionality on the Properties of Manganites*” *ECST* **41**, 3 (2011).
29. M. Katz, G. Graham, Y. Duan, H. Liu, **C. Adamo**, D.G. Schlom, X. Pan, “*Self-Regeneration of Pd-LaFeO₃ Catalysts: New Insight from Atomic-Resolution Electron Microscopy*” (to be published in *J. Amer. Chem. Society*, 2011).
30. C. T. Nelson, P. Gao, J. R. Jokisaari, C. Heikes, **C. Adamo**, A. Melville, B. Winchester, Yijia Gu, Y. Liu, Seung-Hyub Baek, C. M. Folkman, Chang-Beom Eom, J. Li, Long-Qing

Chen, D. G. Schlom, Xiaoqing Pan, “Domain Dynamics during Ferroelectric Switching” Science **334**, 6058 (2011).

31. **C. Adamo** et al. “Epitaxial growth of CaTiO₃ on (100) Si as a buffer layer for perovskite oxides” (submitted to Thin Solid Films).

2012

32. L. Méchin, **C. Adamo**, S. Wu, B. Guillet, S. Lebargy, C. Fur, J.-M. Routoure, S. Merccone, M. Belmeguenai, and D. G. Schlom, “Epitaxial La_{0.7}Sr_{0.3}MnO₃ thin films grown on SrTiO₃ buffered silicon substrates by reactive molecular-beam epitaxy” Physica Status Solidi **209**, 1090 (2012).
33. A. Galdi, C. Aruta, P. Orgiani, **C. Adamo**, G. Ghiringhelli, V. Bisogni, N.B. Brookes, D.G. Schlom, P. Thakur, and L. Maritato “Electronic band redistribution probed by oxygen absorption spectra of (SrMnO₃)_n/(LaMnO₃)_{2n} superlattices” Phys. Rev. B **85**, 125129, (2012).
34. G. Lucovsky, L. Miotti, D. Zeller, **C. Adamo**, and Darrell Schlom “Spectroscopic Detection of Hopping Induced Mixed Valence for Ti and Sc in GdSc_{1-x}Ti_xO₃ for x > 0.165” J. Nanoscience and Nanotechnology **12**, 4749 (2012).
35. E. Monkman*, **C. Adamo***, D. E. Shai, J. W. Harter, D. Shen, J. A. Mundy, B. Burganov, D. A. Muller, Darrell G. Schlom, and K. M. Shen, “Quantum many-body interactions in digital oxide superlattices” Nature Mat. **11**, 855, 2012 (cover story).
36. Yang J. C., He, Q. Suresha, S. J. Kuo C. Y., Peng C. Y., Haislmaier R. C., Motyka M. A., Sheng G., **Adamo C.**, Lin H. J., Hu, Z. Chang, L. Tjeng, L. H. Arenholz, E. Podraza, N. J. Bernhagen, M. Uecker R., Schlom D. G., Gopalan V., Chen L. Q., Chen C. T., Ramesh R., Chu Y. H., “Orthorhombic BiFeO₃”, Phys. Rev. Lett. **109**, 247606 (2012).

2013

37. Haidan Wen, Pice Chen, Margaret P. Cosgriff, Donald A. Walko, June Hyuk Lee, Carolina Adamo, Richard D. Schaller, Jon F. Ihlefeld, Eric M. Dufresne, Darrell G. Schlom, Paul G. Evans, John W. Freeland, and Yuelin Li, Phys. Rev. Lett. **110**, 037601, (2013).
38. D.E. Shai, **C. Adamo**, D.W. Shen, C.M. Brooks, J.W. Harter, E.J. Monkman, B. Burganov, D.G. Schlom, and K.M. Shen, Phys. Rev. Lett **110**, 087004 (2013).
39. Mechin L., Wu S., Guillet, B., Perna P.; Fur C.; Lebargy S, **Adamo C.**, Schlom, D. G., Routoure, J. M., *Experimental evidence of correlation between 1/f noise level and metal-to-insulator transition temperature in epitaxial La_{0.7}Sr_{0.3}MnO₃ thin films*, J. Appl. Phys. **46**, 20 (2013).
40. Hopkins, **Adamo**, Ye, Huey, Lee, Schlom, and Ihlefeld, “Effects of coherent ferroelastic domain walls on the thermal conductivity and Kapitza conductance in bismuth ferrite” Appl. Phys. Lett. **102**, 121903 (2013).
41. Tian, **Adamo**, Schlom, and Burch, “Optical properties of SrTiO₃ on silicon(100)” Appl. Phys. Lett. **102**, 041906 (2013).
42. Liu, Guillet, Aryan, **Adamo**, Fura, Routoure, Lemarie, Schlom, and Mechin, “La_{0.7}Sr_{0.3}MnO₃ suspended microbridges for uncooled bolometers made using reactive ion etching of the silicon substrates” Microelec. Eng. **111**, 101 (2013).

43. Yang, Schleputz, **Adamo**, Schlom, and Clarke, "*Untilting BiFeO₃: the influence of substrate boundary conditions in ultra-thin BiFeO₃ on SrTiO₃*" Appl. Phys. Lett. Materials **1**, 052102 (2013).
44. Kaz, Bischak, Hetherington, Howard, Marti, Ckarkson, **Adamo**, Schlom, Ramesh, Aloni, Ogletree, Ginsberg, "*Bright Catholuminescent thin films for Scanning Nano-Optical excitation and Imaging*" Nano Lett. (2013).
45. Stoughton, Showak, Mao, Koirala, Hillisberry, Sallis, Kourkoutis, Nguyen, Piper, Tenne, Podraza, Muller, **Adamo**, and Schlom, "*Adsorption control growth of BiVO₄ by molecular-beam epitaxy*" Appl. Phys. Lett. Materials **1**, 042112 (2013).
46. **C. Adamo**, T. Heeg, A. Soukiassian, C. M. Brook, C. H. Lee, and D. G. Schlom, "*RHEED intensity oscillations as control for the stoichiometry of oxides*" (to be published in Appl. Phys. Lett.).
47. E. Monkman, **C. Adamo**, D. E. Shai, D. Shen, J. Harter, I. Elfimov, R. Hennig, D.G. Schlom, and K. Shen "*Bulk-like electronic structure at the surface of epitaxial La_{1-x}SrxMnO₃ films*" (submitted to Nature Communications)
48. **C. Adamo**, et al. "*Experimental evidence of Hybrid ferroelectricity*" (in preparation).

Conference Proceedings

1. "*Superconduttività Felix*", Meeting of research groups operating in Campania on Superconductivity, Napoli, Italy (2002).
2. "*In situ MBE Prepared Superconducting Tunnel Junctions with Magnetic Barriers*" L.Maritato, **C.Adamo**, A.Yu.Petrov, G.Carapella, European Congress On Applied Superconductivity EUCAS 2003, Sorrento, (2003).
3. "*Strain Effects in La_{1-x}SrxMnO₃ as grown Thin Films Deposited by Molecular Beam Epitaxy*" G.M. De Luca, **C.Adamo**, C.Aruta, S.Mercone, A.Yu. Petrov, M.Salluzzo, L.Maritato, Congresso Nazionale di Fisica della Materia-INFMeeting 2004, Genova (2004).
4. "*Crystal Field Effects in La_{0.7}X_{0.3}MnO₃ Thin Films determined by High Resolution RIXS at the Mn L₃ Edge*" G.Ghiringhelli, **C.Adamo**, M.Angeloni, C.Aruta, L.Braicovich, N.B.Brookes, C.Dallera, L.Maritato, P.G.Medaglia, A.Yu.Petrov, A.Piazzalunga, A.Tagliaferro, Congresso Nazionale di Fisica della Materia-INFMeeting 2004, Genova (2004).
5. "*X-Ray Absorption Measurements (Mn L_{2,3}, O K and La M_{4,5} edges) in Strontium based Manganite Epitaxial Thin Films Grown by Molecular Beam Epitaxy and Pulsed Laser Deposition Techniques*" C.Aruta, G.Ghiringhelli, **C.Adamo**, M.Angeloni, G.Balestrino, R.Bertacco, N.B.Brookes, M.Cantoni, G.M.De Luca, L.Maritato, P.G.Medaglia, A.Yu.Petrov, Congresso Nazionale di Fisica della Materia-INFMeeting 2004, Genova (2004).
6. "*Low-temperature resistivity in half-metallic ferromagnetic manganites films*" S.Mercone, C.A.Perroni, V.Cataudella, G.De Filippis, **C.Adamo**, C.Aruta, G.M.De Luca, A.Yu.Petrov, L.Maritato, M.Angeloni, G.Balestrino, Congresso Nazionale di Fisica della Materia-INFMeeting 2004, Genova, Giugno 2004.
7. "*Intrinsic Electric Transport in CMR Thin Films*" S.Mercone, C.A.Perroni, V.Cataudella, G.De Filippis, **C.Adamo**, C.Aruta, A.Yu.Petrov, L.Maritato, M.Angeloni, G.Balestrino, F.Miletto-Granozio,^{4th} International Conference on Nanoscale Heterogeneity and Quantum Phenomena in Complex Matter STRIPES04, Roma, (2004).

8. “NiCu-based superconducting devices: fabrication and Characterization” A. Ruotolo, D. Pullini, **C. Adamo**, G.P. Pepe, L. Maritato, G. Innocent and P. Perlo. “ European Conference on Applied Superconductivity, EUCAS 2005” VIENNA (2005).
9. “Ultrathin manganite films obtained by Molecular Beam Epitaxy” A.Yu.Petrov, **C.Adamo**, C.Barone, G.M.DeLuca, A.Galdi, P.Orgiani, C.Aruta, M.Polichetti, A.Vecchione, M.Salvato, L.Maritato 2nd THIOX (Thin films for novel oxide devices) topical meeting, Santa Margherita Ligure, Genova (Italy), (2005).
10. “Magneto-Transport Properties of Manganite $La_{0.7}Sr_{0.3}MnO_3$ Ultra-Thin Films Deposited by Molecular Beam Epitaxy” **C. Adamo**, C. Barone, G.M. De Luca, A. Galdi, P. Orgiani, A. Yu. Petrov and L. Maritato” Participation to Conference Satt13, Genova (Italy) (2006).
11. “Transport Properties of Manganite $La_{0.7}Ba_{0.3}MnO_3$ Thin Films Deposited by Pulsed Laser Deposition” **C. Adamo**⁽¹⁾, R. Savo⁽¹⁾, C. Aruta⁽²⁾, A. Yu. Petrov⁽¹⁾, P. Orgiani⁽¹⁾ and L. Maritato⁽¹⁾. “Participation to Conference Satt13, Genova (Italy) (2006).
12. “Influence of strain and cation order on the electrical and magnetic properties of $La_{1-x}Sr_xMnO_3$ thin films” **C. Adamo**, T. Hee , C. Brooks, A. Scarfato, L. Maritato, Qi Li, and D.G. Schlom. WOE 13 Ischia, Italy (2007).
13. “Structural and Dielectric properties of $LuScO_3$ and $LaLuO_3$ thin films” T.Heeg, M.Roeckerath, **C.Adamo**, C.Brooks, L.Edge, A.Schmehl, W.Tian, M.Warusawithana, J.Schubert, D.G. Schlom, Ch. Buchal. WOE 13 Ischia, Italy (2007).
14. “Tuning of metal-insulator transitions in manganite superlattices: The role of interfaces” L.Maritato, **C.Adamo**, C.Barone, V.Cataudella, G.De Filippis, A.Galdi, P.Orgiani, S.Pagano, C.A.Perroni, A.Soukiassian, X.Ke, P.Schiffer, M.Warusawithana, D.G.Schlom THIOX (Thin films for novel oxide devices) topical meeting, Genova (Italy) (2008).
15. “ $La_{0.7}Sr_{0.3}MnO_3$ thin films on $SrTiO_3$ and $CaTiO_3$ buffered Si substrates: static and dynamic magnetic properties” M. Belmeguenai, S. Mercone, **C. Adamo**, L. Méchin, P. Monod, P. Moch, D. G. Schlom. Journal of Nanoparticle research, Nano 2010, Rome (Italy) 2010.
16. *Strained BiFeO3 Films: Rhombohedral-Orthorhombic and Rhombohedral-Tetragonal Phase Transitions. Part II: Film Growth by Molecular-Beam Epitaxy*, **C. Adamo**, R. Misra, A. Melville, C. Heikes, Q. He, Y. Chu, J. Lee, R. Haislmaier, S. Denev, V. Gopalan, R. Ramesh, P. Schiffer, D. Schlom, APS March Meeting (2011).
17. “Properties of the Predicted Multiferroic $Ca_3Mn_2O_7$ – Experiment” R. Misra, **C. Adamo**, N.A. Benedek, S.A. Denev, A. SenGupta, J.A. Mundy, J.H. Lee, D.A. Muller, V. Gopalan, C.J. Fennie, D.G. Schlom, P. Schiffer, APS March Meeting (2011).
18. “Bulk-like electronic structure at the surface of epitaxial $La_{1-x}Sr_xMnO_3$ films” Eric Monkman, **Carolina Adamo**, Daniel Shai, Dawei Shen, John Harter, Ilya Elfimov, Darrell Schlom, and Kyle Shen, APS March Meeting (2011).
19. “ARPES Studies of the Evolution of the Ruthenate Family with Dimensionality” Dawei Shen, **Carolina Adamo**, Daniel Shai, Eric Monkman, John Harter, Ilya Elfimov, Darrell Schlom, and Kyle Shen, APS March Meeting (2011).
20. “ARPES Measurements of the Effects of Strain on the Electronic Structure of Sr_2RuO_4 and $Sr_3Ru_2O_7$ ”, John Harter, Dawei Shen, **Carolina Adamo**, Daniel Shai, Eric Monkman, Ilya Elfimov, Darrell Schlom, and Kyle Shen, APS March Meeting (2011).
21. “Spectroscopic detection of hopping induced mixed valence for Ti and Sc in $GdSc_{1-x}Ti_xO_3$ for x greater than the percolation threshold of 0.16” Gerry Lucovsky, Leonardo Miotti, Karen Paz Bastos, **C. Adamo**, and D.G. Schlom. J. Vac. Sci. Technol. B **29**, 1 (2011).