

Curriculum Vitae and List of Research Activities (January 2012)

Cedomir Petrovic

Primary affiliation: Condensed Matter Physics, Brookhaven National Laboratory

Also at: Department of Physics and Astronomy, Johns Hopkins University

Also at: Department of Physics and Astronomy, SUNY Stony Brook

Also with: Canadian Institute for Advanced Research (CIFAR), Quantum Materials Program

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Web page BNL: <http://www.bnl.gov/cmpmsd/emsc/>

CIFAR: <http://www2.cifar.ca/research/quantum-materials-program/program-members-qm/?i=201>

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Education:

September 2000: Ph. D. degree in Physics, Florida State University, NHMFL Tallahassee, FL

December 1997: M. Sc. degree in Physics, Florida State University, Tallahassee, FL

August 1996: B. Sc. degree in Theoretical Physics, University of Belgrade, Serbia

Employment and research activities:

**2002 - present: Condensed Matter Physics and Materials Science Department,
Brookhaven National Laboratory (BNL), Upton NY USA**

In charge of establishing and leading new exploratory materials synthesis and characterization laboratory

2008 - present: Physicist with tenure, Condensed Matter Physics and Materials Science Department,

2006 - 2008: Physicist, Condensed Matter Physics and Materials Science Department,

2004 - 2006: Associate Physicist, Condensed Matter Physics and Materials Science Department,

2002 - 2003: Assistant Physicist, Physics Department, Brookhaven National Laboratory

**2011 – 2012 Alexander von Humboldt Fellow, Hochfeld Magnetlabor Dresden,
Helmholtz Zentrum Dresden Rossendorf**

**2010 - present: Adjunct Professor of Physics, Department of Physics and Astronomy,
SUNY Stony Brook, Stony Brook USA**

**2009 - present: Adjunct Professor of Physics, Department of Physics and Astronomy,
Johns Hopkins University, Baltimore MD USA**

**2008 – present: Foreign Associate Member, Canadian Institute for Advanced Research (CIFAR),
Quantum Materials Program, Toronto ON, Canada**

**2007 - 2009: Adjunct Assistant Professor of Physics, Department of Physics and Astronomy,
Johns Hopkins University, Baltimore MD USA**

**2008 (April – July): Visiting Professor of Physics, Institute for Solid State Physics,
University of Tokyo, Japan**

**2000-2002: Postdoctoral Research Associate, Condensed Matter Physics, Ames Laboratory,
Iowa State University**

1997-2000: Graduate Research Assistant, NHMFL Tallahassee & MST-10 Group, LANL

Grants and awards:

FWP “Exploratory Bulk Materials Synthesis and Characterization” US DOE (PI, 2005 – present)

FWP “Energy Frontier Research Center on Superconductivity US DOE” (Co-PI, 2009-2012)

“Marko Jaric” Serbian Physics award 2009

Humboldt Fellowship for Experienced Researchers 2011

Invited talks (over 50, last 2 years shown):

- Paul Scherer Institute, Villeggen, Switzerland, April 2012 (tentative)
- Energy Materials Nanotechnology Meeting – Iron based Superconductors, Orlando FL, April 2012
- Max Planck Institute for Chemical Physics of Solids, Dresden, April 2012 (tentative)
- Peter Grünberg Institute, Forschungszentrum Jülich, March 2012 (tentative)
- APS March Meeting 2012, Boston USA
- University of Kiel, Germany, February 2012
- US DOE Synthesis and Processing Science Meeting, Washington DC, September 2011
- The 18th symposium on condensed matter physics, Belgrade, Serbia, April 2011
- Villa conference on iron based superconductors, Las Vegas, NV April 2011
- Institute of Physics, Chinese Academy of Sciences, Beijing, China, August 2010
- The 16th International Conference on Crystal Growth and Epitaxy, Beijing, China, August 2010
- Brockhouse Institute, McMaster University, Canada June 2010
- University of Belgrade, Serbia, March 2010
- Condensed Matter Physics, NHMFL Tallahassee, February 2010
- Department of Physics, Oxford University, January 2010
- American Association for Crystal Growth – Mid Atlantic States Section, November 2009
- Department of Applied Physics and Applied Mathematics, Columbia University, April 2009
- Department of Physics and Astronomy, University of Delaware, April 2009
- Argonne National Laboratory, Energy Frontier Research Center for Superconductivity, April 2009
- 4th JAEA Synchrotron Radiation Research Symposium : X-Ray and High Magnetic Field, SPring-8, Harima, Hyogo, Japan March 2009

Teaching Experience:

Experimental methods in condensed Matter Physics, Johns Hopkins University Fall 2008

Supervision of undergraduate mechanics laboratories, Florida State University, 1996-1997

Graduate students and postdoc supervised:

2005- 2009 Rongwei Hu (Graduate Student, PhD 2009 Brown University). Currently at
University of Maryland

2010-present Hyejin Ryu (Graduate Student, Stony Brook University)

2009-present Hechang Lei (Postdoc, PhD Institute for Solid State Physics Chinese Academy of
Science, University of Science and Technology of China, Hefei, Anhui, China)

Professional Societies:

Member – American Physical Society

Referee for: Physical Review Letters, Physical Review B, Physica C, Physica Status Solidi,
Chemistry of Materials, Advanced Functional Materials, Superconductor Science and
Technology, Journal of Physics Condensed Matter, Journal of Magnetism and Magnetic
Materials, Journal of Crystal Growth, Journal of Alloys and Compounds, Journal of
American Chemical Society, New Journal of Physics, Nature Materials, Philosophical

Magazine

Reviewer for research proposals from:

Office of Basic Energy Sciences US DOE

NSF DMR Condensed Matter Physics

European Research Council

Israel Science Foundation

Stanford Synchrotron Radiation Laboratory

NHMFL Los Alamos Pulsed Field Facility (User Committee Member)