

SEMINARIO INTERNACIONAL NANOCIENCIA 2010

[illegible]

20

RENCISAS

Compartir en:

INVITADOS

Dr. Kannan M. Krishnan,

Departments of Materials Science and Physics
University of Washington

Kannan M. Krishnan attended IIT Kanpur where he received his B. Tech degree in Mechanical Engineering in 1978. He then continued his graduate studies at SUNY, Stony Brook (MS, 1980) and the University of California, Berkeley (Ph.D., 1984).

He subsequently held various scientific and teaching positions at Lawrence Berkeley National Laboratory and UC, Berkeley before joining the University of Washington, in 2001, as the Campbell Chair Professor of Materials Science and Adjunct Professor of Physics. He has also held visiting appointments at the Hitachi Central Research Laboratory (Japan), Tohoku University, Danish Technical University, University of Sao Pablo, University of Western Australia and the Indian Institute of Science.

Prof. Krishnan is well recognized for both research and teaching. He has received the Fulbright Specialist Award (2010), IEEE Magnetics Society Distinguished Lecturer Award (2009), Guggenheim Fellowship (2004), the Rockefeller Bellagio Residency Fellowship (2008), the Burton Medal (Microscopy Society of America, 1992).



Dr. Roberto C. Salvarezza

Centro de Microscopia Avanzadas,
Universidad de Buenos Aires UBA. Argentina

Received his PhD from the University of Buenos Aires,
Argentina (1981).

He became a research scientist of CONICET at the Research Institute of Theoretical and Applied Physical Chemistry (INIFTA) in La Plata (1982). After working at the Physics of Condensed Matter and Physical Chemistry Departments in the University Autonoma de Madrid (Spain), in 1992 he founded the Scanning Probe Microscopy Laboratory at INIFTA.

He is author of over 250 manuscripts on Electrochemistry, Surface Physics, and Nanotechnology.

Dr Salvarezza is currently a Principal Researcher of CONICET, Head of the SPM and Surface Physical Chemistry Laboratory and Director of INIFTA.



Dr. Ivan Schuller

University of California-San Diego (UCSD-San Diego)

1970 - Licenciado Universidad de Chile,
MSc (**1972**) y Ph.D (**1976**) Northwestern University, USA.

Desde **1978** hasta **1987**: 'Senior Physicist' y Líder de Grupo en el Argonne National Laboratory.

Desde **1987**: Professor of Physics en la Universidad de California, San Diego; adicionalmente es Líder seccional de 'Materials and Devices' para el Instituto CAL-(IT)2 y Director AFOSR-MURI en UCSD.



Profesor Visitante:

Universidad Católica de Chile, en Santiago; Universidad del Valle-Cali, Colombia; Catholic University-Leuven, Bélgica, Rheinisch-Westfaelische Technische Hochschule, Aachen, Alemania.

Premios y Reconocimientos

Adler Award (2003), Alexander von Humboldt Award (2000), Wheatley Award (1999), DOE Outstanding Scientific Accomplishments (1987), Doctor Honoris Causa, Universidad Complutense de Madrid (2005).

Líneas de Investigación actuales

Física Experimental, Metalurgia, Nanociencias

Convocatoria para la presentación de trabajos de investigación NANOCOLOMBIA 2010

Más información en: www.colombia.org, www.colombia.org.co, www.colombia.org.co / Los miembros del evento serán publicados en una Revista Académica Indexada*

*Para más detalles de la convocatoria ir a la página

Adrian Espinoza, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Diego La Parra, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Diego García de León, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Walter Torres, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Pablo Pizarro, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

María E. Gómez, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Adriana Poma (Theresa) Arribas, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Samuel Estrada, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Yara L. Gálvez, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

David Salazar, PhD

Departamento de Física y Astronomía
Universidad de Chile, Santiago

Dr. Arvind Raman

Associate Professor in the School of Mechanical Engineering and the Birck Nanotechnology Center at Purdue University.

1994 – 1999 University of California at Berkeley, Berkeley, California

1999 Degree Doctor of Philosophy in Mechanical Engineering .

Advisor Professor C. D. Mote, Jr. Major Dynamics; Minors Continuum Mechanics, Mathematics .

1991 – 1993 Purdue University, West Lafayette, Indiana .

1993 Degree Master of Science in Mechanical Engineering.

1987-1991 - Indian Institute of Technology, Delhi, India.

1991 - Degree Bachelor of Technology in Mechanical Engineering.



2009 - Professor, School of Mechanical Engineering, Purdue University, West Lafayette, Indiana .

2010 - Associate Professor, School of Mechanical Engineering, Purdue University, West Lafayette, Indiana .

2009 - Assistant Professor, School of Mechanical Engineering, Purdue University, West Lafayette, Indiana.

2005 - Visiting Professor, Department of Condensed Matter Physics, Universidad Autonoma de Madrid, Spain.

2001 - Research Visitor, Nanomanufacturing Group (Engineering Metrology), National Institute of Standards and Technology (NIST), Gaithersburg, Maryland.

Seminario Internacional

Dr. Gerhard Klimeck
Director of the Network for Computational Nanotechnology
The Birck Nanotechnology Center – University Purdue

University and a Professor of Electrical and Computer Engineering. He guides the technical developments and strategies of nanoHUB.org.

He was the Technical Group Supervisor of the High Performance Computing Group and a Principal Scientist at the NASA Jet Propulsion Laboratory, Caltech and a member of technical staff at the Central Research Lab of Texas Instruments.

Prof. Klimeck's research interest is in the modeling of nanoelectronic devices, parallel cluster computing, and genetic algorithms.



Dr. Klimeck received his Ph.D. in 1994 on Quantum Transport from Purdue University and his German electrical engineering degree in 1990 from Ruhr-University Bochum.

Dr. Klimeck's work is documented in over 140 peer-reviewed journal and 135 proceedings publications and over 140 invited and 300 contributed conference presentations.

Dr. David Lederman

WVNano NSF-REU Site Co-Director , Scientific Coordinator,
Professor Department of Physics, West Virginia University .

Ph.D., Physics University of California - Santa Barbara, 1992

B. S. with Honors, Physics Stanford University, 1988

Appointments

Robert L. Carroll Chair Professor of Physics Physics Department,
West Virginia University, **2009** - Present

Interim Director WVNano Initiative, West Virginia University, **2008** – Present.

Professor Physics Department, West Virginia University, **2005** - Present

Associate Professor Physics Department, West Virginia University, **2001 - 2005**

Assistant Professor Physics Department, West Virginia University, **1995 - 2001**

Project Scientist Physics Department, University of California - San Diego, **1993 - 1995**

Lecturer Physics Department, University of California - San Diego, **1994**

Post-Doctoral Researcher Physics Department, University of California - San Diego, **1992 – 1993**



Awards and honors

2010-2015 Robert C. Byrd Professor, WVU, for outstanding achievement and distinction in research and other scholarly work

2004-2006 Woodburn Professor, Eberly College of Arts & Sciences, WVU

2004 Outstanding Researcher Award, Eberly College of Arts & Sciences, WVU

Research interests

Magnetic thin films, surfaces, and superlattices; spintronics; multifunctional materials, nanotechnology, bioelectronics.

Para información ver: www.wvu.edu/org/~www.aacsb.org, www.aacsb.org, www.aacsb.org / Los miembros del evento serán publicados en una Revista Académica Independiente.
* Para ver los resultados de la votación por correo de la votación.

Dr. Walter Torres

Profesor Titular Departamento de Química,
Universidad del Valle – Colombia

PhD. Química. University of Texas at Austin, 1991.

M.S. Química. University of Texas at Austin, 1989.

M.A. Química Analítica. Universidad del Valle, Colombia, 1987.

Químico. Universidad del Valle, Colombia, 1983.



Work Experience

Investigador Post Doctoral. York University, Toronto, Canada. 1992-1994.

Director de proyectos. INTEDI-U. del Valle, Cali, Colombia, 1995-1996

Profesor Asistente. Departamento de Química. Universidad del Valle, Colombia, 1996-1998.

Profesor Asociado. Departamento de Química. Universidad del Valle, Colombia, 1999-

Jefe del Departamento de Química. Universidad del Valle, Colombia, 2002-2004.

Research Visiting Professor.

Clemson University. Clemson, SC, USA. 2005-2008. Department of Chemical and Biomolecular Engineering

Heterogeneous catalysis for decomposition of syngas byproducts (tars, NH_3 , and H_2S), 2005.

Laboratory Director at the Center for Bioelectronics, Biosensors and Biochips. 2006-2007.

Computational simulation of the generation of ethanol from syngas on rhodium catalysts. 2007-2008.

Honores

Becario Fulbright. University of Texas at Austin. USA. 1986-1991.

Profesor Adjunto Asociado. Clemson University. Clemson, SC, USA. 2009-

Dr. Jean-Paul Allain De La Torre

Assistant Professor, School of Nuclear Engineering, Purdue University

Assistant Professor, School of Materials Engineering by Courtesy

2001 Ph.D. in Nuclear Engineering, University of Illinois Urbana-Champaign
Advisor: David N. Ruzic, Center for Plasma--Materials Interactions

2000 M.S. in Nuclear Engineering, University of Illinois Urbana-Champaign

1996 B.S. in Mechanical Engineering, California State Polytechnic University.



Research and education interests

Irradiation surface science, In-situ surface characterization techniques , Soft and hard X-ray photoelectron spectroscopy, Ion-surface interactions and radiation effects on nanostructures , Plasma-surface and materials interactions in fusion devices , Ion-driven nanostructures on metals and semiconductors

2008 - Present: Assistant Professor of Materials Engineering (courtesy appointment), Purdue

2008 - Present: Associate Faculty Member, Birck Nanotechnology Center, Purdue

2007 - Present: Assistant Professor of Nuclear Engineering, Purdue University

2007 - Present: Visiting Faculty Staff, Argonne National Laboratory

2003 - **2007**: Staff Scientist, Argonne National Laboratory

2001 - **2003**: Postdoctoral Researcher, University of Illinois at Urbana-Champaign

1996 - **2001**: Graduate Research Assistant, University of Illinois at Urbana-Champaign

Dr. Álvaro Duarte

Department of Chemistry, Universidad Nacional de Colombia

1995 – 2000: Leopold-Franzens Universität, Innsbruck, Austria:

PhD (with honours) in Chemistry (Dr. rer. nat.)

1990 – 1995: Universidad Nacional de Colombia, Bogota:

Undergraduate degree in chemistry

Final grade average: 4.1/ 5.0 (highest grade of the year)



Scholarships and Awards

10.2008-02.2009: Traineeship by the European Commission. Subgroup of Nanotechnology. DG: Enterprise & Industry, REACH, Brussels.

10.2004-12.2004: Research at the Institut für Thermische Energietechnik, group of Prof. Dr. Ing. W. Klose (DAAD scholarship, German Academic Exchange Service), Universität Kassel, Germany

06.2003 – 08.2003: Scholarship awarded by the Universidad Nacional de Colombia to spend 2 months at the University of the West Indies, UWI, (Trinidad & Tobago)

Work Experience

Since 02.2001: Professor of Supramolecular Chemistry, Inorganic Chemistry and Science and Engineering of Materials, Universidad Nacional de Colombia, Bogotá, Colombia (full time):

Lectures, tutorials and supervision of dissertations.

10.1995 – 11.2000: Tutor for Organic Chemistry, Leopold-Franzens Universität, Innsbruck, Austria (part time)

01.1995 – 09.1995: Research at the “Centro Nacional de Investigaciones de Café, Pedro Uribe Mejía”, Chinchiná, Caldas, Colombia

Dr. Edison Zacarías da Silva

Institute of Physics "Gleb Wataghin", University of Campinas, Brasil

Bachelor in Physics, Universidade de São Paulo, 1971-1974.

Master in Physics, Universidade de São Paulo, march 1975 to august 1976.

Doctor in Physics (PhD), H.H. Wills Physics Laboratory, University of Bristol, England, September 1976 a august 1980.

Research

Simulations - Computational Physics: Nanowires, Carbon nanotubes, Surfaces

Superconductivity: Superconducting Fluctuations

Professional Life

SERC Research Assistant, Theory Group - University of Bristol, UK. april a september 1980

Assistant Professor , MS-3, em RDIDP, Institute of de Physics Gleb Wataghin, UNICAMP 6th october 1980 to december 1986.

Professor Colaborador, MS-4, em RDIDP, Institute of de Physics Gleb Wataghin, UNICAMP december 1986 to 26th may 1995.

Associate Professor, MS-5, , Institute of Physics Gleb Wataghin, from UNICAMP 27th may 1995.



ARGENTINA

Adrián Espinosa, PhD

Departamento de Física y Astronomía
Instituto de Física de Tucumán

BRASIL

Edson Zacarias da Silva, PhD

Instituto de Física de Campinas
Instituto de Física de Campinas

COLOMBIA

Walter Torres, PhD

Departamento de Física
Instituto de Física de Bogotá

Alberto Torres, PhD

Departamento de Física
Instituto de Física de Bogotá

Adrián Torres, PhD

Departamento de Física
Instituto de Física de Bogotá

ESTADOS UNIDOS

David Estrada, PhD

Departamento de Física
Instituto de Física de Bogotá

Enzo Lázaro, PhD

Departamento de Física
Instituto de Física de Bogotá

David Estrada, PhD

Departamento de Física
Instituto de Física de Bogotá

Dra. Lia Isabel Pietrasanta

Centro de Microscopia Avanzadas,
Universidad de Buenos Aires UBA. Argentina

1984 - Química. Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina.

1989 - Bioquímica. Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina.

1996 - Doctora en Bioquímica. Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina.

1997 Investigadora postdoctoral, Departamento de Química Inorgánica, Analítica y Química Física, FCEN-UBA, Buenos Aires, Argentina.

1997 - 2000 Visiting Postdoctoral Scientist, Department of Physics, University of California at Santa Barbará.

2000 Postdoctoral Research Scientist, Department of Physics and Marine Science Institute, University of California at Santa Barbara. Laboratorio del Dr. Paul Hansma.

2001 - 2002 Investigador postdoctoral, Departamento de Física, FCEN-UBA.

2002 - Presente Coordinadora del Centro de Microscopías Avanzadas, FCEN-UBA

2004 - 2008 Investigadora Adjunta, CONICET

2008 - Presente Investigadora Independiente, CONICET

2004 -2009 Profesora Adjunta (interina), Área Microscopía Avanzada, FCEN-UBA

2009 - Presente Profesora Adjunta regular, Departamento de Física, FCEN-UBA



Dr. Alejandro Pacheco

Department of Mechanical Engineering
Universidad Del Norte, Colombia

Ph.D. Virginia Tech, Blacksburg, VA, USA, 2009, Engineering Science
and Mechanics

M.Sc., Los Andes University, Bogotá, Colombia, 2000, Mechanical
Engineering

B.S., Los Andes University, Bogotá, Colombia, 1998, Mechanical
Engineering

Research Interest

Nanomechanics, Multiscale modeling, Computational mechanics,
Constitutive modeling of elastoplastic materials

Professional Experience

Universidad Del Norte, 02/2009 – present, Assistant professor, Mechanical Engineering Department, Barranquilla, Colombia

Universidad Del Norte, 07/2000 – 03/2005, Full Time Instructor, Mechanical Engineering Department, Barranquilla, Colombia

Los Andes University, 08/1999 – 12/1999, Part Time Instructor Mechanical Engineering Department, Bogotá, Colombia

Los Andes University, Research Assistant, 08/1998 – 12/1998, Mechanical Engineering Department, Bogotá, Colombia

R&D project: "Study of impact loading in oil pipelines".



Dra. Adriana María Chaurra

Universidad del Valle, Cali – Colombia

PhD en Química Analítica Agosto 2004- Agosto 2009.

Universidad de Clemson, Carolina del Sur, USA.

Maestría en Química Analítica, Universidad del Valle, Cali, Colombia. Noviembre 2001.

Pregrado en Química. Universidad del Valle, Cali, Colombia.



Work Experience

- Profesora Hora Cátedra, Universidad del Valle, Cali.
- Cursos de Química General y Química Analítica.
- Asistente de Investigación, Universidad de Clemson, Carolina del Sur, USA.
- Asistente de Docencia, Universidad de Clemson, Carolina del Sur, USA
- Laboratorios de Química Analítica y Análisis Instrumental
- Profesora Medio Tiempo, Universidad Nacional de Colombia, Palmira.
- Profesora Hora Cátedra y Medio Tiempo, Universidad del Valle, Cali.
- Cursos de Química General y Química Analítica.
- Profesora Hora Cátedra, Universidad Santiago de Cali.
- Analista de Laboratorio, COLGATE PALMOLIVE, Cali, Colombia.
- Analista de Laboratorio.

21 al 23 de Octubre de 2010 - Universidad del Valle

Nanomateriales y nanoestructuras - Nuevos materiales, Energía y medio ambiente - Nanomedicina y nanobiotecnología
Caracterización avanzada de nanomateriales - Ingeniería y nanomateriales

Un universo de posibilidades

la presentación de trabajos de investigación NANOCOLOMBIA 2010

Más información en: www.univalle.edu.co, www.colofes.org.co, www.fisimat.org / Los contenidos del evento serán publicados en una Revista Académica Indexada

El evento es gratuito para todos los participantes

ARGENTINA

María Gabriela, PhD

Investigadora Asistente y Asistente de Laboratorio

BRASIL

Dr. Jo. Francisco, PhD

Investigador Asistente y Asistente de Laboratorio

COLOMBIA

Dr. Juan Carlos de Lencastre, PhD

Investigador Asistente y Asistente de Laboratorio

Walter Jarama, PhD

Investigador Asistente y Asistente de Laboratorio

Pablo Pardo, PhD

Investigador Asistente y Asistente de Laboratorio

María T. Gómez, PhD

Investigadora Asistente y Asistente de Laboratorio

Adriana Pardo (Química Analítica), PhD

Investigadora Asistente y Asistente de Laboratorio

ESTADOS UNIDOS

David Estrada, PhD

Investigador Asistente y Asistente de Laboratorio

Yara Saldaña, PhD

Investigadora Asistente y Asistente de Laboratorio

David Saldaña, PhD

Investigador Asistente y Asistente de Laboratorio

Dr. Pedro Prieto Pulido

Full Professor, Department of Physics. Universidad del Valle-Cali,
Director of The Excellence Center for Novel Materials 2005

1974 Physicist - Universidad Nacional de Colombia- Bogotá, Colombia

1978 Magister Scientiae. Universidad Nacional de Colombia, Bogotá.

1982 Dr. rer. nat. RW-Technische Hochschule-Aachen, Germany

1988 Post-Doc Research Center-Jülich and SIEMENS-Perlach, Germany

1998 Post-Doc UCSD San Diego, California USA

Honors

- Alexander von Humboldt Postdoc fellow, Germany 1988-1989
- "Medalla Ciudades Confederadas", Government of Valle del Cauca Medal, Colombia - 1993
- Simon Guggenheim Fellow, Guggenheim Memorial Foundation, USA - 1997
- "2000-APS Fellow", American Physical Society " For forefront research in the Josephson effect in high temperature superconductors and outstanding contributions to the development of physics in Latin America "
- G-77 United Nations Group Award for "Science Technology and Innovation.

Research experience

Since 1982 - Director of the Thin films Research Group at the Physics Department, Universidad del Valle, Cali, Colombia.

- Mai 1988 – July 1989 Research Center-Jülich and SIEMENS-Research and Development Center - Perlach, Germany, as AvH-Fellow
- 1994 March to August - Invited Professor Universidad Complutense de Madrid, Spain, as sabbatical Year
- 1998 - University of California San Diego, California USA, as Guggenheim Fellow

