

## Severo Ochoa Research Seminar Program in 2013 -15

### SORS Lectures at BSC 2014-15

Date - Time- Place	Lecture Title	Speaker
--------------------	---------------	---------

#### Summer Lecture Series:

17/07/15 - 10:00	Sala de Juntas, Rectorat	<a href="#">Towards Energy-Efficient Computing: Adaptive Management Strategies from Software to Systems</a>	Ayse K. Coskun	Boston University, USA
------------------	--------------------------	---	----------------	------------------------

10/07/15 - 10:00	Sala Gran, Torre Girona	<b>Summer Lecture Series:</b> <a href="#">Energy Efficient Computing Systems</a>	Juan Cebrián	Norwegian university of science and technology, NTNU
------------------	-------------------------	---	--------------	--

#### Closing Session:

22/06/15 - 12:00	Sala d'Actes FIB, B6	<a href="#">The end of Von Neumann, the end of Moore's Law, and the end of Dennard Scaling. The new mantras are dark silicon, quantum computing, and approximate computing. What does it all mean for the microprocessor of 2025?</a>	Yale Patt	Ernest Cockrell, Jr. Centennial Chair, University of Texas at Austin, USA
------------------	----------------------	---	-----------	---

16/06/15 - 11:00	Sala Gran, Torre Girona	<a href="#">Principal Component Analysis for Establishing Characteristic Behaviour</a>	Raul Ramirez	ITESM, Mexico
------------------	-------------------------	--	--------------	---------------

11/06/15 - 11:00	Sala de Juntas, FIB	<a href="#">Scheduling scientific workflows for energy and performance</a>	Rizos Sakellariou	Manchester University, UK
------------------	---------------------	--	-------------------	---------------------------

10/06/15 - 10:00	Sala de Actes, <b>FIB</b>	<a href="#">Capsaicina y la danza de las neuronas</a>	Dr Pablo Rudomin	Mexico
21/05/15 - 15:00	Sala de Actes, <b>FIB</b>	<a href="#">Unlock performance secrets of next-gen Intel hardware: software tools-driven code modernization</a>	Zakhar Matveev	Intel Corporation.
11/05/15 - 11:00	<b>Rectorat's</b> Sala de Junes	<a href="#">Contribution of climate and landuse changes to dust decadal variability</a>	Dr. Paul Ginoux	NOAA Geophysical Fluid Dynamics Laboratory
30/04/15- 12:00	<b>C6-E101,</b> UPC	<a href="#">Optimization Issues in Data-Intensive Flows</a>	Anastasios Gounaris	Aristotle University of Thessaloniki, Greece.
24/04/15 - 11:30	Gran Sala, <b>Torre Girona</b>	<a href="#">Turbulence understanding and prediction in confined magnetic plasmas</a>	Jeronimo Garcia	CEA, FRance
13/04/15 - 11:00	Gran Sala, <b>Torre Girona</b>	<a href="#">Hybrid modelling of the magnetoacoustic cyclotron instability in relation to ion cyclotron emission in D-T JET plasmas</a>	Leopoldo Carbajal Gomez	University of Warwick, UK
26/03/15- 11:00	<b>Rectorat's</b> Sala de Junes	<a href="#">Using Brittle Fragmentation Theory to Estimate Aerosol Mineral Composition in Climate Models</a>	Carlos Perez Garcia-Pando	NASA Goddard Institute & Columbia, USA
24/03/15 - 11:00	Gran Sala, <b>Torre Girona</b>	<a href="#">Parallel quasi-Monte Carlo simulation of ultrafast carrier transport</a>	Aneta Karaivanova	IICT-BAS, Bulgaria
20/03/15 - 11:30	Sala d'Actes <b>FIB, B6</b>	<a href="#">Scheduling with uncertainty in Grids and Clouds</a>	Andrei Chernykh	CICESE, Ensenada, Mexico
26/02/15 - 11:30	Sala d'Actes <b>FIB, B6</b>	<a href="#">Memory System Innovations to Enable More Efficient Data Centers</a>	Sally McKee	Chalmers University of Technology
20/02/15 - 11:30	Sala d'Actes <b>FIB, B6</b>	<a href="#">Climate prediction for climate services</a>	Francisco J. Doblas-Reyes	BSC - Earth Science

19/12/14 - 11:00 - 13:00	<b>Sala d'Actes FIB, B6</b>	<b><u>Christmas Lecture Registration:</u></b> Equilibrium and stability of fusion plasmas via three-dimensional Magneto-Hydrodynamics  <b>coffe break</b>  Enhanced molecular dynamics to understand the structural and energetics determinants of MEK1 pathological mutations	<a href="#">Dr. Joaquim Loizu</a>	Princeton Plasma Physics Laboratory
10/12/14 - <b>16:00</b>	Sala d'Actes FIB, <b>B6</b>	<a href="#">Managing Big Trajectory Data: Online processing of positional streams</a>	Timos Sellis	RMIT University
28/11/14 - 11:30	Sala d'Actes FIB, <b>B6</b>	<a href="#">On--?line coupling of volcanic ash and aerosols transport with multiscale meteorological models</a>	Alejandro Marti Dinati	BSC - CASE
20/11/14 - <b>18:30</b>	Sala d'Actes FIB, <b>B6</b>	<a href="#">Building a Unified Data Pipeline in Apache Spark</a>	Aaron Davidson and Paco Nathan	Databricks
31/10/14 - 11:30	Sala d'Actes FIB, <b>B6</b>	<a href="#">Recent updates on the genetics of type 2 diabetes</a>	Josep Maria Mercader	BSC - Life Sciences Dept.
01/10/14 - 11:30	<b>Rectorat,</b> Sala de Juntres,	<a href="#">Database Analytics with High Level Synthesis on FPGAs</a>	Gorker Alp Malazgirt	Bogazici University, Computer Engineering Department
26/09/14–11:30	Sala d'Actes FIB, <b>B6</b>	<a href="#">Opening session: Modelling of ion cyclotron resonance frequency heating in JET in preparation of ITER</a>	Dr. Mervi Mantsinen	BSC - CASE
25/09/14 -11:00	Sala de Juntres, <b>Rectorat</b>	<a href="#">Summer Lecture: Co-design for Next-Generation Extreme Scale Data Processing</a>	Dr. Scott Klasky (Invited speaker)	Computer Science and Mathematics Division Oak Ridge National Laboratory and Georgia Tech University

24/07/14 - 11:00 Sala d'Actes FIB, B6 [Summer lecture: Topology-aware placement and load-balancing](#) Emmanel Jeannot, Senior research scientist, LaBRi laboratory at INRIA-Bordeaux (Invited speaker)

#### SORS Lectures at BSC 2013-14

Date - Time- Place	Lecture Title	Speaker
27/09 - 10:00 AULARI A4 room A4002? Amfiteatre , Campus Nord	<a href="#">Understanding Cerebral Aneurysms through HPC-based Computational Modeling</a>	Mariano Vazquez, CASE Department at BSC
25/10 - 10:00 Sala d'Actes FIB Campus Nord	<a href="#">Receptor Sampling with Dpedmd for Virtual Screening</a> <a href="#">Analysis of Mechanical Parameters Using End-Diastolic Measurements</a> <a href="#">The multiscale NMMB/BSC Chemical Transport Model: developments of inlined aerosol and gas chemistry processes</a>	Ramon Goñi, Life Sciences Dept. at BSC Ruth Arís, CASE Dept. at BSC Oriol Jorba, Earth Science Dept. at BSC
15/11 - 10:00 am Sala d'Actes FIB (B6) Campus Nord	<a href="#">Known and unknown unknowns in aerosol modelling</a>	Nick Schutgens, Atmospheric, Oceanic and Planetary Physics , University of Oxford ,UK

<p>16/12 - 10:00am,</p> <p><b>“Aula de Telensenyament” on 1<sup>st</sup> Floor of ETSETB (building B3)</b></p> <p>Campus Nord</p>	<p><a href="#">Extreme Scaling on SuperMUC</a></p>	<p>Prof. Dr. Dieter Kranzlmüller, LMUniversity, Germany, Member of the Board of Directors of LRZ</p>
<p>14/01 - 12:00</p> <p><b>E101 room of the C6 building.</b></p>	<p><a href="#">Performance Analysis Techniques for the Exascale Co-Design Process</a></p>	<p>Dr. Martin Schulz (Lawrence Livermore National Laboratory)</p>
<p>24/01/2014 - 10:00am</p> <p><b>“Aula de Telensenyament” on 1<sup>st</sup> Floor of ETSETB (building B3)</b></p> <p>Campus Nord</p>	<p><a href="#">Multi-objective Optimisation and Big Data</a></p>	<p>Prof Young Shi, CASFEDS Centre, Chinese Academy of Sciences and University of Omaha</p>
<p>28/02 - 10:00 am <b>Sala d’Actes FIB</b></p> <p>Campus Nord</p>	<p><a href="#">HPC simulation using xSim – The Extreme-scale Simulator</a></p>	<p>Janko Strassburg, Computer Science Dept, BSC</p>
<p><b>18/03</b></p>	<p>The Perfect Storm</p>	<p>Paolo Faraboschi (Invited speaker)</p>
<p>09/05 - 10:00am</p> <p><b>Sala de Juntes (Rectorat)</b> Campus Nord</p>	<p><a href="#">An In-silico framework for Cardiac Drug Testing: From Genes, to function, to human heart physiopathology</a></p> <p><a href="#">Exploring mechanistic details in enzyme catalysis through multiscale hybrid QM/MM simulations.</a></p>	<p>Jazmin Aguado Sierra (CASE)</p> <p>Suwipa Saen-oon (Life)</p>
<p>27 - 28 May, <b>by invitation</b></p>	<p><a href="#">Doctoral Symposium</a></p>	<p>Organised by E&amp;T Team with presentations from E&amp;T team, BSC researchers, PhD supervisors and BSC/ FIB PhD students</p>

02 – 06/06 see AMBER <a href="#">home page</a>	<b>SO Summer School:</b> AMBER Workshop	Organised by Life Sciences Department, Ramon Goñi
04/06 10 am <b>Sala d'Actes FIB (B6)</b>	<a href="#">Lights, Computer, Action: GPU Accelerated Molecular Dynamics, from Enzyme Activation to Membrane Dynamics</a>	Ross Walker (Invited Speaker)
05/06 10am <b>Sala d'Actes FIB (B6)</b>	<a href="#">Assessment of Form and Function in the Large Airways</a>	Raul Cetto (Invited Speaker)
06/06 12pm <b>Sala Multimedia (B3)</b>	<a href="#">Big Data Processing in Large-Scale Network Analysis and Billion-Scale Social Simulation</a>	Toyotaro Suzumura (Invited speaker)
June - 09 - 20 , through registration	<b><a href="#">SO Summer School: Second European Earth System and Climate Modelling School</a></b>	J. M. Baldasano(Earth Sci)
20/06 10 am <b>Sala d'Actes FIB (B6)</b>	<a href="#">How to ingest measurements into a computer simulation: data assimilation enhancement of an atmospheric model</a>	Enza Di Tomaso (Earth Sci)
01/07 3 pm <b>Sala d'Actes FIB (B6)</b>	<a href="#">Parallelism: a serious goal or a silly mantra (and what else is needed for the microprocessor of 2024)</a>	Yale Patt (Invited speaker)
03/07 - 11:00 <b>Rectorat's Sala de Junes</b>	<b><a href="#">Summer lecture: BioBlender: 3D Computer Graphics for Structural Biology</a></b>	Monica Zoppè (Invited speaker)
24/07 - 11:00 Sala d'Actes <b>FIB, B6</b>	<b><a href="#">Summer lecture: Topology-aware placement and load-balancing</a></b>	Emmanuel Jeannot, Senior research scientist, (Invited speaker)
25/09 -11:00 Sala de Junes, <b>Rectorat</b>	<b><a href="#">Summer Lecture: Co-design for Next-Generation Extreme Scale Data Processing</a></b>	Dr. Scott Klasky (Invited speaker)

**Source URL (retrieved on 3 Dic 2023 - 21:23):** <https://www.bsc.es/es/research-and-development/research-seminars/severo-ochoa-research-seminar-program-2013-15>