

<b>SESSION M1</b>	
<b>Monday 10<sup>th</sup> April, 15:00-17:00: Room F1</b>	
<b>Chair:</b> Elvira Uyarra  <b>Facilitator:</b> Begoña Arano  <b>Rapporteurs:</b> Badri Narayanan Damodaran & Thomas Hope	15:00 Consumer expenditures and home production: New evidence from Germany Melanie Lührmann
	15:30 Eastern Europe: Post-industrial welfare state for industrial economies Juraj Draxler
	16:00 The effect of socio-economic factors on sleep quality Marcos A. Bote

<b>SESSION M2</b>	
<b>Monday 10<sup>th</sup> April, 15:00-17:00: Room F2</b>	
<b>Chair:</b> Jaroslav Mysiak  <b>Facilitator:</b> Pavlos Mouratidis  <b>Rapporteurs:</b> Doina Ciobanu & Axel Arnold	15:00 Substantive fairness and comparative evaluation in plea bargain decision making Avishalom Tor, Oren Gazal-Ayal and Stephen M. Garcia
	15:30 The influence of present and prior alternatives on risk aversion Adelson Piñón and Martin Weber

### SESSION M3

**Monday 10<sup>th</sup> April, 15:00-17:00: Room G1**

<p><b>Chair:</b> Natalia Balcázar</p> <p><b>Facilitator:</b> Frank Marx</p> <p><b>Rapporteurs:</b> Margarida Duarte &amp; Daniele Catalucci</p>	15:00	Development of flexible solar cells Robert Bart and Rutger Schlatmann
	15:30	Alternative anode materials for solid oxide fuel cells Qingxi Fu and Frank Tietz
	16:00	Overview of wave energy converter modelling Pierpaolo Ricci, John Fitzgerald, Rebecca Church, Mattia Scuocto, João M.B.P. Cruz, Marco Alves
	16:30	Design and optimisation of process utility systems Donghui Zheng and Robin Smith

### SESSION M4

**Monday 10<sup>th</sup> April, 15:00-17:00: Room G2**

<p><b>Chair:</b> Silvia Giordani</p> <p><b>Facilitator:</b> Florent Bernard</p> <p><b>Rapporteurs:</b> Ishtiaq Ahmad &amp; Bart Wentink</p>	15:00	Evaporative cooling of a magnetically guided atomic beam Zhaoying Wang, Thierry Lahaye, Gaël Reinaudi, Jean Dalibard, David Guéry-Odelin
	15:30	Tracking in the ZEUS experiment Vincent Roberfroid
	16:00	What to do with the soft heart of strong elementary particle collisions? Dezső Varga
	16:30	Manipulation of molecular properties by coherent light fields Teodora Kirova, Aigers Ekers, Ruth Garcia-Fernandez, Marcis Auzinsh, Kaspars Blush, Nikolay Bezuglov, Kaspars Michulis and Klaas Bergmann

## SESSION M5

Monday 10<sup>th</sup> April, 15:00-17:00: Room H1

<p><b>Chair:</b> Tamara Grava</p> <p><b>Facilitator:</b> Sergio Di Virgilio</p> <p><b>Rapporteurs:</b> Vanessa Diaz &amp; Cong Yan</p>	15:00	MRI-based visualisation and quantification of moisture migration in multicomponent food systems Wladyslaw Piotr Weglarz and John-Van Duynhoven
	15:30	Experimental and numerical investigation of fracture mechanisms and fracture properties of wood at varying moisture contents Svetlana Vasic, Stefanie Stanzl-Tschegg
	16:00	Extreme value statistics in strongly correlated systems Nicholas R. Moloney
	16:30	Dynamical behaviours and bifurcations in noninvertible maps of the plane and of the space Iryna Sushko and Laura Gardini

## SESSION M6

Monday 10<sup>th</sup> April, 15:00-17:00: Room H2

<p><b>Chair:</b> Karina Schulte</p> <p><b>Facilitator:</b> Alice Rajewsky</p> <p><b>Rapporteurs:</b> Euloge Edi &amp; Severin Zincker</p>	15:00	Diffraction grating structures for colour-separating backlights Roberto Caputo, Dick K.G. de Boer and Hugo J. Cornelissen
	15:30	The spread of central European modernism to earthquake prone areas of the continent and challenges for the preservation of reinforced concrete heritage buildings Maria D. Bostenaru Dan, Rui Pinho
	16:00	An adaptive virtual structured network topology for P2P systems Edi Euloge, Tahar Kechadi and McNulty Ronan
	16:30	Digital-handwriting: Automation of manual work in a handwrite-computer system interaction Tamas Kis

<b>SESSION M7</b>	
<b>Monday 10<sup>th</sup> April, 15:00-17:00: Room H5</b>	
<b>Chair:</b> Ana M <sup>a</sup> Cerdeño-Tárraga  <b>Facilitator:</b> Karim Berkouk  <b>Rapporteurs:</b> Simone Napolitano & Wieslaw Kozak	15:00 Metabolomics, diabetes and oxidative stress - the role of capillary electrophoresis Coral Barbas and Melissa Hanna-Brown
	15:30 A novel approach to investigate the cell biology of the mitochondrial protein IF1, the ATP saver Michaelangelo Campanella, Andrew Tinker and Michael R. Duchon
	16:00 Bioreactors and tissue engineered coronary arteries Marie A. Puchard, Valerie Barron National and Peter E. McHugh
	16:30 Development of a co-culture system for tissue engineered vascular grafts Claire M. Crouchley, Valerie Barron and Terry Smith

<b>SESSION M8</b>	
<b>Monday 10<sup>th</sup> April, 15:00-17:00: Room H6</b>	
<b>Chair:</b> Aigars Ekers  <b>Facilitator:</b> Laura Apostol  <b>Rapporteurs:</b> Elena Lopez Alonso & Daniela Vergani	15:00 The role of interstellar turbulence on the formation of stars and planetary systems Spyridon Kitsionas, Ralf S. Klessen and Anne-Katharina Jappsen
	15:30 Excess in the sky Stephane Fay
	16:00 Numerical methods in turbulent flow prediction: LES, DNS and 2-equation modelling Peter Roger Bailey
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<b>SESSION W1</b>	
<b>Wednesday 12<sup>th</sup> April, 09:00-11:00: Room F1</b>	
<p><b>Chair:</b> Elvira Uyarra</p> <p><b>Facilitator:</b> Begoña Arano</p> <p><b>Rapporteurs:</b> Badri Narayanan Damodaran &amp; Thomas Hope</p>	<p>09:00 Computer-based Learning and Research Support Environments Mark van Harmelen</p>
	<p>09:30 Illuminating the black box: Computational investigations of numerical cognition Thomas M.H. Hope</p>
	<p>10:00 GloLab for transfer of knowledge Andrzej Maziewski, Wojtek Dobrogowski and Vitalii Zablotskii</p>

<b>SESSION W2</b>	
<b>Wednesday 12<sup>th</sup> April, 09:00-11:00: Room F2</b>	
<p><b>Chair:</b> Jaroslav Mysiak</p> <p><b>Facilitator:</b> Pavlos Mouratidis</p> <p><b>Rapporteurs:</b> Doina Ciobanu &amp; Axel Arnold</p>	<p>09:00 Afro-European encounters: Migration narratives Sabrina Brancato</p>
	<p>09:30 From Pliny to Virgil: Menopause and diabolical perspectives in the art of Hans Baldung Grien Yvonne I.L. Owens</p>
	<p>10:00 Relating personality with song preference Greg Dunn, Boris de Ruyter and Don Bouwhuis</p>

### SESSION W3

Wednesday 12<sup>th</sup> April, 09:00-11:00: Room G1

<p><b>Chair:</b> Natalia Balcázar</p> <p><b>Facilitator:</b> Frank Marx</p> <p><b>Rapporteurs:</b> Margarida Duarte &amp; Daniele Catalucci</p>	09:00	Hypogean atmosphere as a natural reservoir of CO <sub>2</sub> and 222Rn during one complete annual cycle of continuous monitoring Margarida Taborda-Duarte, S. Sanchez Moral, S. Cuezva and J. Lario
	09:30	The use of vegetative cover and mycorrhizal colonisation in the remediation of soils contaminated with metals Neagoie Danciu Aurora Daniela
	10:00	How to strengthen the European Research Area: Lessons from a Marie Curie fellowship exploiting the use of molecular tools to study natural pest control Michael Traugott and William O.C. Symondson
	10:30	A new automatic artery lumen identification algorithm for carotid ultrasound images Alessandro C.M. Rossi, Peter J. Brands and Arnold P.G. Hoeks

### SESSION W4

Wednesday 12<sup>th</sup> April, 09:00-11:00: Room G2

<p><b>Chair:</b> Silvia Giordani</p> <p><b>Facilitator:</b> Florent Bernard</p> <p><b>Rapporteurs:</b> Ishtiaq Ahmad &amp; Bart Wentink</p>	09:00	Innovative laser based Pick-and-Join tool for micro-assembly Andrei Lucian Boglea, Alexander Olowinsky, Silvia Bou and Harald Hötendorfer
	09:30	Purification of $\alpha$ -olefins from Fischer-Tropsch process using reactive extractive distillation Bart Wentink, Norbert J.M. Kuipers, André B. de Haan
	10:00	Dispersion of single-walled carbon nanotubes Silvia Giordani, Shane D. Bergin, Sergei Lebedkin, Valeria Nicolosi, Werner J. Blau and Jonathan N. Coleman
	10:30	Probing nanoparticle growth with light: Real-time non-destructive measurements Thomas W.H. Oates

## SESSION W5

Wednesday 12<sup>th</sup> April, 09:00-11:00: Room H1

<b>Chair:</b> Tamara Grava  <b>Facilitator:</b> Sergio Di Virgilio  <b>Rapporteurs:</b> Vanessa Diaz & Cong Yan	09:00	The hormonal effects of cumulative partial sleep deprivation in healthy young men Wessel M.A. van Leeuwen, Mikko Härmä and Tarja Porkka-Heiskanen
	09:30	Simulation in cardiovascular dynamics: Lumped parameter models as a complement for 3D refined modelling Vanessa A. Diaz-Zuccarini, David Rodney Hose and Patricia V. Lawford
	10:00	Dendrimers as detoxication agents Dzmitry Shcharbin and Maria Bryszewska
	10:30	The crystal structure of the RET receptor tyrosine kinase Svend Kjær, Phillip Knowles, Judith Murray-Rust, Rizaldy P. Scott, Carlos Ibanez and Neil Q. McDonald

## SESSION W6

Wednesday 12<sup>th</sup> April, 09:00-11:00: Room H2

<b>Chair:</b> Karina Schulte  <b>Facilitator:</b> Alice Rajewsky  <b>Rapporteurs:</b> Euloge Edi & Severin Zincker	09:00	Perceptual and algorithmic representation of music similarity Alberto Novello, Martin McKinney and Armin Kohlrausch
	09:30	ADMIRE: A new framework for distributed data mining on grid computing environments NhienAn Le Khac, Huaigo Fu and Tahar Kechadi
	10:00	Improving media recommendation algorithms by exploiting relationships in usage and domain data Marco Tiemann
	10:30	LHCb data management on the grid Andrew Cameron Smith

## SESSION W7

Wednesday 12<sup>th</sup> April, 09:00-11:00: Room H5

<p><b>Chair:</b> Ana M<sup>a</sup> Cerdeño-Tárraga</p> <p><b>Facilitator:</b> Karim Berkouk</p> <p><b>Rapporteurs:</b> Simone Napolitano &amp; Wieslaw Kozak</p>	09:00	A novel bionanotechnology tool provides innovative strategies to culture cells for clinical use Raquel Martin, Stefan Graeter, Francesca Corbellini and Joachim Spatz
	09:30	Improving the properties of a biodegradable polymer: The case of nanofilms of PHB Simone Napolitano and Michael Wübbenhorst
	10:00	Nano-scale accuracy analysis of diamond films for advanced technologies using uleSIMS and other techniques Berta Guzmán de la Mata, Mark G Dowsett
	10:30	Design and bioproduction of recombinant elastin-like polymers showing tailored bioactivity and self-assembling properties Artur Ribeiro, José Carlos Rodríguez Cabello and Francisco Javier Arias

## SESSION W8

Wednesday 12<sup>th</sup> April, 09:00-11:00: Room H6

<p><b>Chair:</b> Aigars Ekers</p> <p><b>Facilitator:</b> Laura Apostol</p> <p><b>Rapporteurs:</b> Elena Lopez Alonso &amp; Daniela Vergani</p>	09:00	Atmospheric pressure plasma chemical etching for continuous c-Si solar wafer processing Elena Lopez Alonso, Ines Dani and Volkmar Hopfe
	09:30	The production of astatine negative ion beams Mariano Menna, Jacques Lettry and Richard Catherall
	10:00	Ion source development for high intensity radioactive ion beam production Liviú Constantin Penescu, Thierry Stora and Jacques Lettry
	10:30	Application of the large eddy simulation technique to study the flow over an incompressible cavity and evolution of a planar turbulent jet Victoria Suponitsky, Eldad Avital and Mike Gaster