

Main conference webpage at: <http://ae2013wroclaw.com/>

The Academia Europaea 25th anniversary conference: “European science and scholarship looking ahead – challenges of the next 25 Years”

PRIVATE SESSIONS

Day of the week	Draft Conference programme
Saturday, 14th Sept.	15:00 – 19:00 AE Nominations Meeting (Sections B and C) – RYNEK 13 - PRIVATE
Sunday, 15th Sept. 2013	09:00 – 17:00 AE Nominations Meeting (Section A) – RYNEK 13 - PRIVATE 18:00 – 19:00 Informal Meeting of Section Chairs – RYNEK 13 - PRIVATE Council Dinner (by invitation only)
Monday, 16th Sept. 2013	09:00 – 10:30 Council Meeting – CONFERENCE ROOM (Monopol Hotel) 11:00 – 12:00 Board Meeting – CONFERENCE ROOM (Monopol Hotel) 13:00 – 14:00 Annual Business Meeting of <u>AE members – AULA LEOPOLDINA (University of Wroclaw)</u>

Monday 16 September, 2013

Opening Session of the 25th Annual conference of the Academia Europaea
The Aula Leopoldina – University of Wrocław

15:00 WELCOME ADDRESSES : (Chair: L. Walløe, R. Dutkiewicz)

A short history of the AE by Professor Anne Buttimer, Vice President of the AE and Chair of the Social Sciences Section

Welcome to new members of the Academia Europaea (elected in 2012)

16:00 **“The next 25 years: Grand Challenges for the knowledge sector in Europe”** – opening high-level plenary session
Speakers: *Helga Nowotny* (ERC President); the *Lord (Martin) Rees*; *Andre Mischke* (President of the Young Academy of Europe); *Anne Glover* (Chief Scientific Adviser to the EU Commission President); *Hans Joachim Schellnhuber* (Potsdam Institute for Climate Impact Research)
(Chair: M. Kleiber)

17:30 Break

18:00 Presentation of the **2013 Erasmus Medal** to **Norman Davies** - (Chair: A. Burgen)

Laudation: Pieter Emmer (Leiden) Trustee and Chair of the History Section

followed by

2013 Heinz – Nixdorf Erasmus Lecture:

"CENTURIES OF CHANGE: WROCLAW - BRESLAU - VRATISLAVIA"

20:00 Reception at the City Hall
Presentation of the 2013 AE Burgen Scholars in Poland, Partnered by Citi Handlowy (Warsaw) and The Cambridge University Press

Main conference webpage at: <http://ae2013wroclaw.com/>

Venue: Wroclaw Congress Center, 16 – 19 September, 2013

Tuesday 17th Sept. 2013	<p>09:00 ROBERT HUBER – PLENARY LECTURE <i>Beauty and fitness for purpose: architecture of proteins, the building blocks of life</i> (Chair: O. Petersen)</p>			
	<p>10:00 SALVATORE SETTIS – PLENARY LECTURE <i>The Fate and Future of Classical Art in Modern Europe (and Beyond)</i> (Chair: C. Ferrini)</p>			
	<p>11:30 <i>The Euroean Challenge in Uncertain Futures</i> – PLENARY DEBATE (partnered by City Handlowy) Convenor: Joseph Straus Speakers: K. Konrad (Munich); J. Straus (Munich); P.Nijkamp (Amsterdam); S. Sołtysinski (Warsaw); A. Quadrio Curzio (Roma)</p>			
	<p>13:00 Lunch</p>			
	<p>14:00 WILHELM KRULL – PLENARY LECTURE ... (Chair : L. Walløe)</p>			
	<p>15:30 – 18:30 PARALLEL SESSIONS</p>			
<p><i>Past and future impacts of Informatics</i></p> <p>Convenor: H. Maurer (Graz)</p> <p>Speakers: F. Zambonelli (Modena) – “Engineering Socio-technical Urban Superorganisms” D. Fellner (Darmstadt) – “Digital Libraries” G. Gottlob (Oxford) – “The DIADEM Project: Intelligent Extraction of Big Data from the Web” J. Tiuryn (Warsaw) – “Does biology need informatics?”</p>	<p><i>The European Ideal as Challenge</i></p> <p>Convenor: D. Tamm (Copenhagen)</p> <p>Speakers: Pia Letto-Vanamo: "Europe and the Law" Dirk Heirbaut: "Germany's Past, Europe's Future?" Dieter Grimm: "Cooperation and Conflict - The Role of European and National Courts in the Process of Integration" Verica Trstenjak: "Union Citizenship and the Influence of the Court of Justice of the EU". “Europe and the law”</p>	<p><i>Understanding the Universe</i></p> <p>Convenor: A. Mischke (Utrecht),</p> <p>Speakers: T. Kibble (London) - The Standard Model of Particle Physics A. Nisati (Rome) - "Particle Physics and the Large Hadron Collider" A. Kellerbauer (Heidelberg) – “Why antimatter matters” M. Rees (Cambridge) – “New perspectives on the cosmos”</p>	<p><i>Paradigm shifts in the Social Sciences</i></p> <p>Convenors: A. Buttimer (Dublin), A. Bailly (Geneva)</p> <p>Speakers: Y. H. Ferguson (Rutgers) – “Convergence and Fragmentation in the Study of Global Politics” S. Oberg (Uppsala) – “The study of changing populations – future prospects in social science disciplines” J. Stagl (Salzburg) – “Recent trends and further prospects of anthropology”</p>	

Main conference webpage at: <http://ae2013wroclaw.com/>

Y. Verhasselt (Brussels) –
“Tendencies in social sciences”

A Bailly (Geneva) – “Spatial imagery
and regional science”

T. Baycan (Istabil) - Scientific
“Knowledge Commercialization and
Valorization in Europe”

20:00 Gala Dinner – Wrocław Congress Center

DRAFT

Main conference webpage at: <http://ae2013wroclaw.com/>

Wednesday 18th Sept. 2013	<p>09:00 PIOTR SZTOMKPA – PLENARY LECTURE <i>Existential uncertainty as a growing challenge in contemporary society; its causes and possible remedies</i> (Chair: A. Cavalli)</p>		
	<p>10:00 – 11:30 Academic Integrity – PLENARY DEBATE Convenor: Pieter Emmer (Leiden) Speakers: N. Foeger (Vienna); T. Schäfer (Young Academy of Europe); E. A. (Ilan) Rabiner (London)</p>		
	<p>12:00 BERT SAKMANN – PLENARY LECTURE ... (Chair: M. Żylicz)</p>		
	<p>13:00 Lunch</p>		
	<p>14:00 MOSHE VARDI – PLENARY LECTURE <i>A logical revolution</i> (Chair: H. Maurer)</p>		
	<p>15:00 – 18:00 “AE LETTERS” – offered papers by AE members elected in 2012</p>		
	<p>Session A: “Life and related sciences”</p> <p>I. Cakmak <i>Role of Agriculture in Fighting Micronutrient Malnutrition in Human Populations</i></p> <p>C. M. Jonker</p> <p>L. Nagy <i>Linking metabolism to the expression of the genome</i></p> <p>A. Falus <i>Hypermethylation of histidine decarboxylase gene induces tumor surveillance</i></p> <p>S. Lavorel <i>How knowledge on biodiversity and its impacts on ecosystem functioning can be applied to quantify benefits from ecosystems to society</i></p>	<p>Session B: “Information and Physical Sciences”</p> <p>E. Ozbay <i>Plasmonics nanoparticle based nanobiosensors and nanophotodetectors</i></p> <p>T. Pisanski <i>What is a configuration</i></p> <p>F. Wotawa <i>The Falsification Principle in Software Engineering</i></p> <p>B. Jacobs <i>Next generation of electronic identity management</i></p> <p>W. Imrich <i>Algorithms, Product Graphs and Applications</i></p> <p>J. D. Ferrer <i>Conciliating privacy, security and</i></p>	<p>Session C: “Humanities and Social Sciences”</p> <p>F. James Humphry Davy at Work</p> <p>J. K. Kozłowski <i>Alternative, maritime route of the First Farmers to Europe</i></p> <p>I. Blom <i>Care or Control? A Welander Home in Norway 1919 – 1939</i></p> <p>R. von Friedeburg <i>Luther’s Legacy in the Thirty Year War’</i></p> <p>E. Witkowska-Zaremba <i>Wrocław: The Late Mediaeval Crossroads of Musical Trends</i></p> <p>J. Caldwell <i>Notated Latin Poetry in the Middle Ages</i></p>

Main conference webpage at: <http://ae2013wroclaw.com/>

	<p>G. Jaouen <i>Medicinal Organometallic Chemistry: The Ferrocifen Family as Efficient and Selective Antitumor Compounds against Triple Negative Cancer Cells</i></p> <p>G. Resnati <i>Halogen Bonding: A New Paradigm in Recognition Phenomena</i></p> <p>L. Hunyady <i>Functional specificity of G protein-coupled receptor agonists: a new dimension of pharmacological specificity</i></p> <p>D.A. Rusakov <i>Signal formation in brain circuits with astroglia</i></p> <p>V. Parpura <i>Ca²⁺ sources for the exocytotic glutamate release from astrocytes</i></p> <p>L. Kamerlin <i>Catalytic Promiscuity in the Alkaline Phosphatase Superfamily as a Showcase for Chemistry-Driven Protein Evolution</i></p>	<p><i>functionality in the information society</i></p> <p>H. Baayen <i>In 140 ms from hogwash to nonsense, but only if you're lucky</i></p> <p>N. M. Pugno <i>Graphene and bio-inspiration</i></p> <p>D. Meschede <i>Bohr's atoms – 100 years after</i></p> <p>B. Tanatar <i>Density Modulated Phases in Bilayer Dipolar Gases</i></p> <p>N-V. Zamfir <i>Extreme Light Infrastructure - Nuclear Physics (ELI-NP) Status and Perspectives</i></p> <p>Kristin Vala Ragnarsdottir <i>The 21st century – living within the Earth's boundaries</i></p>	<p>V. von Rosen <i>Pictorial Transfers in Early Modern Europe: the production of religious images by Netherlandish Caravaggisti in their native countries</i></p> <p>K. Donert <i>Promoting geospatial education in Europe: the digital-earth.eu initiative</i></p> <p>M. Radovic-Markovic <i>Development of entrepreneurial competences through e-learning: an evidence from Serbia and Turkey</i></p> <p>C. Gianturco <i>Exploring the past to enrich the future: the national edition of the music of alessandro stradella</i></p>
<p>Evening Free</p>			

Thursday 19th Sept. 2013	09:00 TOMASZ DIETL – PLENARY LECTURE			
	10:00 – 11:30 <i>The Anthropocene: Future Challenges</i> – PLENARY DEBATE Convenor: Don Dingwell (Munich) Speakers: A. Berger (Louvain) - climate modelling M. Burton (Pisa) - volcanic degassing M. Edgeworth (Leicester)- archaeological aspects E. Ehlers (Bonn) - human societal and cultural aspects Jérôme Chappellaz (Grenoble) – Glaciology aspects			
	12:00 VINCENT COURTILOT – PLENARY LECTURE <i>On scientific discovery, consensus and debate: a personal experience</i>			
	13:00 Lunch			
	14:00 – 17:00 PARALLEL SESSIONS			
	<p>Polish Logic and Philosophy</p> <p>Convenor: D. Føllesdal (Oslo)</p> <p>Speakers: J. Woleński (Kraków) - Introductory Survey K. Kijania-Placek (Kraków) - Twardowski's Theory of Presentations G. Malinowski (Łódź) - Łukasiewicz's Logical Legacy P. Simons (Dublin) - Łukasiewicz and the Several Senses of Possibility R. Urbaniak (Gent/Gdańsk) - Lesniewski: Rethinking the Foundations of Mathematics C. Cieśliński (Warsaw) - How Tarski Defined the Undefinable L. Horsten (Bristol) - Tarski and</p>	<p style="text-align: center;">“Young Academy Future Visions”</p> <p>Convenor: T. Schäfer (San Sebastian)</p> <p>Speakers: Angelez Peña-Rodriguez (Madrid) Ewa Jankowska – (Wroclaw) Nedjeljka Zagar (Ljubljana)</p>	<p>Paradigm Shifts in the Humanities</p> <p>Convenor: S. E. Larsen (Aarhus)</p> <p>Speakers: C. Ferrini (Trieste) – From disparagement to appreciation: Shifting paradigms and interdisciplinary openings in interpreting Hegel's Philosophy of Nature M. Juvan (Ljubljana) – The Production of Nationscape through the Network of Literary Culture: Towards a GIS-based Analysis of Slovenian Literature P. Vries (Vienna) – History in and for a globalising world F-J. Ruggiu (Paris) – Pluridisciplinarity and the future of French history</p>	<p>Biodiversity; Exotic species and innovation</p> <p>Convenor: Y. Le Maho (Strasbourg) Speakers: F. Ducancel (Saclay) – “Exploration of venom molecular diversity to identify new drug candidates” P. Bulet (France) – “Host defence molecules as a new generation of therapeutics” K. Bilikova & J. Simuth (Bratislava) – “honeybees and humans” Stéphane BLANC (Strasbourg): “Biomedical interest of hibernating animals.” Martine HOSSAERT-McKEY (Montpellier): “Bringing chemistry</p>

Main conference webpage at: <http://ae2013wroclaw.com/>

<p>Formal Theories of Truth</p> <p>L. Pacholski (Wroclaw) - Logic in Poland after 1945 - Decline or Collapse?</p>		<p>V. Biti (Vienna) – The Repositioning of Theory in the Post-Theoretical Age</p> <p>S. Onega (Zaragoza) - The Trauma Paradigm and the Literature of Trauma</p>	<p>into ecology, a way to promote innovation"</p>
<p>17:00 BARON LAMFALUSSY – CLOSING PLENARY LECTURE</p> <p>...</p> <p>(Chair : A. Mas-Collel)</p>			

DRAFT