

VII ASPO CONFERENCE

october 20-21 barcelona 2008



peak oil:
from below
ground
to above
ground

SPEAKER'S PROFILES

Cristina Castells



Cristina Castells is an industrial engineer specialized in Energy Technics from the Polytechnic University of Barcelona, she has a PhD in Project and Resources Management. She has a wide experience in energy standards and norms applied to buildings and also in solar energy. Cristina is director of the Energy Savings and Efficiency in the Institut Catalá de l'Energia, in Barcelona.

Kjell Aleklett



Kjell Aleklett is Professor of Physics at Uppsala University, Sweden, and leader of Global Energy Systems Research and the Uppsala Hydrocarbon Depletion Study Group. He holds a doctorate degree from the University of Gothenburg, Sweden, and worked as a postdoctoral staff scientist, 1977-85, at the Natural Science Laboratory at Studsvik, Sweden. In 1986 he was appointed as associated professor at Uppsala University and later as full professor. In 1978-79 and again in 1983, he was invited to work with Nobel Prize winner Glenn T. Seaborg, Lawrence Berkeley Laboratory, University of California, Berkeley, California, USA. His interest in the global energy situation started in 1995 and has since then grown dramatically. He is president of ASPO International.

Daniel Gómez



Daniel Gomez is a self-taught writer and as a journalist he has been writing about new information technologies since 1997. He has been especially interested in creating virtual communities on the Internet intended to promote discussion and free participation. He has participated as a lecturer in digital literacy projects, such as the Barcelona Activa's Casa d'Oficis de la Ciutat del Coneixement, where he has been coordinator and teacher. Since 2000 he has been interested in energy matters, co-editing, since October 2003, the Crisis Energética website. In 2004 he founded, along with Pedro Prieto and Marcel Coderch, the Association for the Study of Energy Resources (AEREN), of which he is the president. Currently he is teaching a course in new information technologies at the University of Vic and writing articles and reports on energy resources.

Carlos de Castro



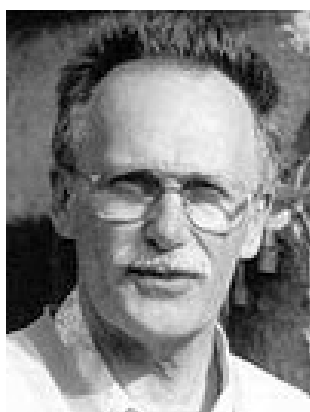
Carlos de Castro (Valladolid, Spain, 1967) is an assistant professor at the Department of Applied Physics of the University of Valladolid. He is got a degree on physics and at present, he is finishing a PhD on energy-environment-economy system dynamics. He is got a wide experience on Sustainable Development and he has written three books: "La Revolución solidaria: más allá del Desarrollo Sostenible" (2001) (The Solidarity Revolution: beyond the limits of sustainable development) Ed. IEPALA. Madrid. Spain; "Ecología y Desarrollo Humano Sostenible" (2004) (Ecology and Sustainable Human Development) Ed. University of Valladolid. Spain; "El Origen de Gaia" (2007) (The Origin of Gaia). Ed. ABECEDARIO. Badajoz. Spain.

Salvador Pueyo



Salvador Pueyo is a Ph.D. in Biology from the University of Barcelona. He works in complex system's theory applied to ecological and environmental issues. He has published and intervened in several peer review journals, like Science, Climate Change, Oikos and Proceedings of the National Academy of Sciences of the USA, in works related with maximum entropy, criticalities, chaotic dynamics or in adjusting searching statistics to resources availability. He has taught in many university courses and has research experience in several universities: Universitat de Barcelona, Instituto Nacional de Pesquisas da Amazônia - Inpa (Brazil) or University of Alberta (Canada).

Jean Laherrère



Jean Laherrère worked for TOTAL for thirty-seven years in a variety of successively more responsible roles encompassing exploration activities in the Sahara, Australia, Canada and Paris (head of worldwide exploration techniques). Since retiring from TOTAL, Mr. Laherrère has served on the 1997 Society of Petroleum Engineers/World Petroleum Congress ad hoc committee on joint definitions of petroleum resources and the task force on 'Perspectives Energie 2010-2020' for the Commissariat Général du Plan. He is the founder of ASPO France.

Jean-Luc Wingert



Jean-Luc Wingert is consultant specialized in the field of energy and development strategy. Author of the book "La vie après le pétrole" (Ed. Autrement, 2005). Translated in Korean and Arab (Arab translation in progress by Arab Scientific Publishers). He is member of ASPO France, and he has been involved in many committees and he has participated in conferences about peak oil, its energy alternatives and its socioeconomic consequences. He has a Master in Economic Development (EHESS - Paris) and a Master-Engineer degree (University of Nancy). He started his career as a strategy and organisation consultant in a French consulting company and founded Symbioz Development.

Luis de Sousa



Luís Alexandre Duque Moreira de Sousa holds a degree in Informatics Engineering and an MSc in Geographic Information Systems by the Instituto Superior Técnico at the Technical University of Lisbon. At that faculty he was a researcher and an assistant teacher, being now a PhD student in Informatics Engineering. In parallel he works in several projects in the IT business. He runs a Portuguese language website on Peak Oil (PicoDoPetroleo.net) since 2005. He helped founding ASPO-Portugal in 2006 and has been a Contributing Editor to the electronic Energy forum [TheOilDrum](http://TheOilDrum.com) since the inception of its European branch (Europe.TheOilDrum.com).

RT. Hon. Edward Schreyer



Edward Schreyer was first elected to the Manitoba Legislature in 1958 at age 22 and reelected twice. He became New Democratic Party leader in 1969 and Premier of Manitoba 1969-77. He served concurrently as Minister Responsible for Manitoba Hydro taking key decisions in energy and public health policies. Ed Schreyer served as: Governor General of Canada and Commander-in-Chief 1979-84; as Canadian High Commissioner to Australia, Papua New Guinea, Solomon Islands & Ambassador to Vanuatu 1984-88; currently serves as Chancellor, Brandon University, Brandon, Canada. He serves in various capacities in a number of humanitarian and environmental organizations. Since 1989 he has been guest professor at universities in Canada and Europe. The focus throughout has been on Resource Geography, Energy Economics and Environmental Impact in Global Context. Mr. Schreyer also served since 2000 on the Vancouver Port Authority and the Lake Winnipeg Stewardship Board and was Special Advisor on Energy, Science and Technology to the Government of Manitoba. He is a Founding Director and Chairman Pro Tem of ASPO Canada and has occupied many relevant positions and is continuously addressing many fora and professional conventions on various themes and subtopics relating to energy resource use/misuse and environmental impact since 1990.

Mariano Marzo



Mariano Marzo is full professor of Stratigraphy at the Faculty of Geology of the University of Barcelona where he teaches Petroleum Geology and Energy Resources. He received an M.S. degree in geology from the University of Barcelona in 1975 and a Ph.D. in geology from the same university in 1980. M. Marzo's research interests focus on the application of clastic sedimentology, sequence stratigraphy, reservoir modelling, and basin analysis to the exploration and production of hydrocarbons. He is actively involved in training activities and research projects funded by oil and gas companies (Cepsa, ConocoPhillips, Enagás, ExxonMobil, Norsk Hydro, Repsol-Ypf, Shell, Statoil and Total among others). He has worked in southern Europe, North Sea, South America, northern Africa and Middle East. M. Marzo has authored and co-authored 75 scientific papers, edited 15 books and special issues on sedimentology and stratigraphy, held more than 100 presentations on conferences and workshops and has served in the editorial board of highly-reputed international geological journals like "Basin Research", "Geology" and "Sedimentology". M. Marzo is member of the American Association of Petroleum Geologists and of the European Association of Petroleum Geoscientists & Engineers. Mr. Marzo is actively involved in several advisory panels on energy issues working for the Spanish and Catalan governments. He is a regular collaborator of "La Vanguardia" newspaper and an occasional contributor on energy issues to the mainstream Spanish media.

Andrew McKillop

McKillop has a BSc and MSc in Economics and Development Economics and has a Diploma in Urban Economic Development by the University College, London University and School of Environment Studies of the London University and a HND Higher National Diploma in Technical-Metallurgy & Physics. He is Founder Member of the International Association of Energy Economists (Washington), Asian Chapter (India), 1981 and of the Environmental Communicators Organization, affiliated to UK National Union of Journalists, 1973. McKillop has experience of preparing and administering energy development programmes and capacity building and of advising on creation, launch and administering EU-financed Energy Sector training programs for ACP countries, as well as wide experience in Energy Sector, ACP and OAPC countries including Asia-Pacific region, extensive experience in Mideast, North America and Europe. And also has extensive practical knowledge of Alternate & Renewable Energy sector investing and financing (ARE investing and financing). Andrew McKillop was an early founder of Alternate & Renewable Energy and founder and Energy Editor of "The Ecologist" magazine (1972). McKillop is author of multiple publications (over 500 articles, 6 books) in 1972-2008 on Re-newable & Alternate Energy, Sustainable Development and related themes. Most recent: 2nd Edition 'The Final Energy Crisis'.



Chris Skrebowski

Chris Skrebowski is the consultant editor of Petroleum Review since June 1997. This publication is a monthly magazine published by the Energy Institute in London. He is also a member of ODAC. Mr. Skrebowski is the author of the important Oilfields Megaprojects Report for the Petroleum Review. He is also Director of PEAK Oil Consulting Limited.



Ugo Bardi

Ugo Bardi teaches chemistry at the University of Florence. He is a member of the scientific committee of ASPO and the founder and the president of the Italian section of the ASPO. He has also organized the ASPO-5 conference in Pisa, Italy, in 2006. He is a regular contributor of "The Oil Drum". He has written several papers on modeling resource consumption; examining in particular whaling in 19th century and the worldwide production of mineral commodities.



Colin Campbell

After being awarded a Ph.D at Oxford in 1957, Dr. Campbell joined the oil industry as an exploration geologist. His career took him to Borneo, Trinidad, Colombia, Australia, Papua New Guinea, the USA, Ecuador, United Kingdom, Ireland, and Norway. Dr. Campbell restarted the "Peak Oil" debate in 2001 with the establishment of ASPO, an organisation that has since grown to include over 25 national chapters around the globe.

Luca Barillaro



Luca Barillaro is a trader and an independent financial advisor. He sat up on his own in 1998 having managed a significant job experience in the banking field in London. In Italy, he pioneered independent advice to retail and institutional investors on stocks, bonds, ETFs and investment funds and has a specialisation in complex option's strategies and structured products; he gives help to companies and treasurer's offices about swaps and hedging strategies on commodities, rates and currencies. He is a consultant in total return managed assets and he holds conferences while trading his own money in real time. He has an institutional and psychological approach to financial markets.

Jérôme Guillet



Jérôme Guillet joined Dexia's Project Finance department in 2002 and is now heading the Energy team, where his responsibilities include the coordination of Dexia's structured finance activities in the oil & gas, power and renewable energy sectors. Under his leadership, Dexia closed the first ever non-recourse financings for off-shore wind farms, and has financed over 7,000 MW of wind power capacity. Before joining Dexia, Jérôme worked for 6 years in the oil and gas project finance team of Crédit Lyonnais where he was involved in originating, structuring, arranging and syndicating several large transactions in Russia. Jérôme Guillet graduated from the Ecole Polytechnique in Paris and holds a Ph.D. in economics from the Ecole des Hautes Etudes en Sciences Sociales in Paris.

Charles A. S. Hall



Charles Hall is ESF Foundation Distinguished Professor at State University of New York in the College of Environmental Science & Forestry. Hall describes himself primarily as a systems ecologist with strong interests in biophysical economics, and the relation of energy to society. He has published numerous articles in peer reviews on the concept of Energy Return on Energy Invested (EROI) of different energy sources and on net energy.



Mario Giampietro

Mario Giampietro is a Chemical Engineer (Università La Sapienza, Rome); "laurea" in Biological Sciences (Università La Sapienza, Rome) and Master in Food System Economics (CEFAS - Università La Tuscia, Viterbo); Ph.D in Social Sciences (Wageningen University, NL). He works at ICREA as Research Professor at ICTA - Institute of Science and Technology for the Environment - Universitat Autònoma Barcelona, Spain. His research interests focus on Energy Analysis; Multi-Scale Integrated Analysis of Societal and Ecological Metabolism; Multi-Criteria Analysis of Sustainability; Integrated Assessment of Scenarios and Technological changes; Biocomplexity and Sustainability; Science for Governance. He has researched as visitor scientist in the Cornell University (6 years - 1987 - 89 and 1993 - 95); Wageningen University (1997); European Commission Joint Research Center, Ispra, (1998); Universitat Autònoma Barcelona (1999 - 2000); Wisconsin University Madison, (2002); Penn State University (2005-2006), Arizona State University (2006-2007). Mario Giampietro has participated in many other important activities, like a Biennial Int'l Workshop "Advances in Energy Studies" in Porto Venere (Italy) in 1996 or the Millenium Eco-system Assesment (MEA) and others. He has over 130 papers on reffered Journals and chapters and edited two books; one of them titled "Jevons' Paradox: The Myth of Resource Efficiency Improvements" Earthscan, London.



Bob Lloyd

Dr. Bob Lloyd is from Australia, he came to New Zealand in 2002 after having worked for the Australian Cooperative Research Centre for Renewable Energy (ACRE), based at Murdoch University in Perth. He has also worked on renewable energy systems in China and the Pacific Islands and taught at the University of the South Pacific in Fiji. His current research interests at Otago University, where he is the Director of Energy Studies, lie in energy conservation in residential housing and energy management including world energy resources. His Ph.D from Flinders University in South Australia was completed in the field of experimental atomic physics.

Gonzalo Piernavieja



Gonzalo Piernavieja holds a degree in Physical Sciences from the Albert-Ludwig University of Friburg, in Germany (1988), and is graduated in Physical Sciences from the Ludwig-Maximilian University of Munich (1992), having specialized in solar PV plants, with tracking and network fed-in. He holds a Master in Energy and Environment Management from the Technical University of Berlin. Gonzalo has several Ph.D courses in the University of Las Palmas de Gran Canaria on Desalination and Water Reuse, Environmental Engineering and Industrial Technology. He has been working in relevant positions in the Technological Institute of the Canary Islands (ITC), as Technical Director, Director of the Renewable Energy and Water Treatment Dept., Director of the Energy, Water and Bioengineering and is at present Director of the Research and Technological Development, which cover subjects as rational use of energy, renewable energies, water technologies, biotechnologies environmental analysis and several engineering aspects. He has participated in numerous national and international congresses and seminars, mainly related with solar energy, water technologies, environment, climatic change and sustainable development and has published more than 20 articles in these fields.

Richard Meyer



Richard Meyer is a 41 year old German holding a diploma in geophysics and a PhD in physics from Munich University. In his thesis he analysed the climatic impact of aircraft contrails by use of satellite data. At DLR (German Aerospace Center) he set up a satellite-based service for analyzing potentials for solar energy. From 2000 to 2004 he contributed to the United Nations Environmental Programme (UNEP) 'Solar and Wind Energy Resources Assessment'. In 2005 he was a visiting scientist to NASA's project 'Prediction of Worldwide Energy Resources'. Since 2004 Dr. Meyer is representing the IEA Task 'Solar Resource Knowledge Management' to the Executive Committee for Solar Power and Chemical Energy Systems (SolarPACES) of the International Energy Agency (IEA). In 2006 he joined the renewable energy industry leading a team for technical analysis of solar energy with focus on concentrating solar power. Currently, he is working in Hamburg at EPURON GmbH to develop large solar energy projects around the world.

José Luis García



José Luis García is graduated in Physic Sciences in Astrophysics by the Universidad Complutense in Madrid. He worked in the CIEMAT Solar Platform in Almeria, in the Solar Oven Project. José Luis works in Greenpeace Spain since 1991, in the area of Energy as responsible for the campaign of Clean Atmosphere, Climatic Change and Energy, Clean Energy and Projects. He has set up and coordinated the Greenpeace Solar Projects, Solar Schools Network, Choose Clean Energy and Energy Revolution. He has imparted many Conferences, courses, masters and seminars on the above subjects and has prepared reports, studies and Campaigns for Greenpeace in these subjects, specially about renewable energies. He has acted as Greenpeace representative in the Framework Agreement of United Nations on Climatic Change (Kyoto, 1997; Marrakech, 2001) as well as in the IPCC (Madrid, 1995; Valencia, 2007). José Luis García is a member of he National Council on Climate and its Permanent Committee, as well as member of the Consulting Council of Electricity in the National Commission on Energy (Comisión Nacional de Energía, CNE).

Antonio Ruíz de Elvira



Ruíz de Elvira is professor of Applied Physics in the University of Alcalá de Henares since April 1992. He has developed his career as professor and researcher in the University of Alcalá, since 1978, when he doctored in Physic Scienes in the Universidad Complutense on Statistical Theory of Turbulence. From the very begining, his interest focused in the Fluids Dynamics from the statistical mechanics and from this into Complex Systems and Interactions. Antonio Ruíz de Elvira has led or participated in 8 UE projects in the field of Climate and Oceanography and has many articles published on the subject. Among the most recents, the book "Burning the Future: Climate and Climate Change". He has directed many conferences to popularize the subject and participated in many conferences and seminars. Ruíz de Elvira was appointed Director of the Maritime Climate Research Department in the public entity Puertos del Estado, working on fluids and erecting a sophisticated system to forecast Marine Swells and Tides in the Spanish coasts, with oceanographic data and parameters collection systems. He continues at present his research on climate, and his educational tasks in the University, mainly addressing to young students and public in general. Ruíz de Elvira has been Research visiting scientist in the Max Planck Institute für Meteorologie, in Hamburg, Germany and in the Scripps Institution of Oceanography in San Diego, California, USA.

Juan Requejo



Juan is graduated in Economy and in Geography, both by the Autonomous University of Bellaterra in Barcelona. He is a planning consultant and works as professional partner in Arenal Grupo Consultor and Asistencias Técnicas Clave, companies he will contributed to create and develop. He has been, in the last 25 years, consultant to the United Nations, in the UNDP, for Mozambique, Morocco, Saudi Arabia and Latin America, (with tasks like the design of the strategic environment evaluation of the urban plans from Uruguay and others) and the European Union, various Spanish regional governments and other public administrations in relevant projects of public interest, like the Sustainable Energy Plan 2007-2001 for Andalucía and the II Sustainable Development Plan for the National Park of Doñana and other public administrations. He is also consultant of small and medium size companies for the definition of the management. He has been deeply involved in territorial planning and in the spatial dimensions of economic development, in general and in tourism in particular (regional and coastal planning, thematic tourism and rural tourism assessment).

Pedro Prieto



Pedro is a Technical Engineer in Telecommunications (Madrid, 1972) and has been working in the Telecom Industry, first with ITT and then with ALCATEL for 32 years, where he had different responsibilities, as telephone networks design engineer, then as professor in the R&D Labs of ITT, although most of his career was in exports, where he was appointed as vice president of the Radio Communications Division in the headquarters of Alcatel. He worked mainly in oil, gas and coal producing countries. He is at present engaged as chairman of Tietar Solar, S. L. and Energías del Tietar, S. L., in the active solar PV market in Spain and as consultant on renewable energies, with over 20 MW of solar PV installations. He partially owns, manages and operates a very modern high concentration solar PV 1 MW plant, working at 400 suns in Western Spain. Pedro is vicepresident of ASPO Spain and also co-editor of Crisis Energetica, the ASPO reference blog in Spanish language and member of Científicos por el Medio Ambiente (CiMA).