

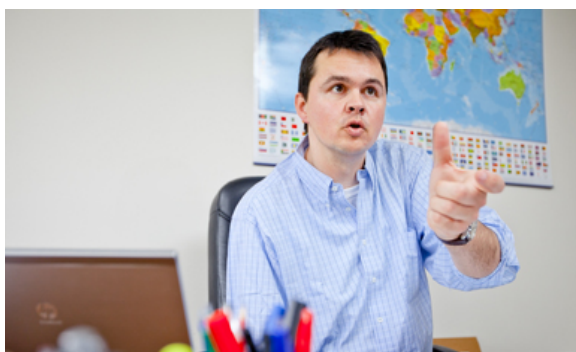
Speakers:



Dr. **Alain Gachet** is a mining engineer and a physicist, with 40 years experience in natural resource exploration. Gachet created the WATEX system, using NASA's Shuttle Radar Topography Mission, NASA's Spaceborne Imaging Radar, and the joint NASA and U.S. Geological Survey's Landsat program to pinpoint promising spots to drill new wells. The first significant success came in 2004 during the Darfur crisis in western

Sudan, which forced some 250,000 people into refugee camps. The United Nations High Commissioner for Refugees contacted RTI, and over the next four months, RTI located enough water to sustain the camp. Prior to RTI's involvement, aid groups responsible for locating water sources had a success rate of around 33 percent. Using WATEX, success soared to 98 percent. Later, Gachet uncovered an unprecedented 66 trillion gallons of water in two aquifers underneath one of the world's most destitute regions, Turkana County in northern Kenya (*Spinoff* 2015). The discovery has the potential to improve millions of lives for generations to come. https://spinoff.nasa.gov/Spinoff2017/awt_1.html He was awarded the Legion d'Honneur, the highest French order for military and civil merits.

Professor Tanguy Struye de Swielande (Director of CECRI - UCL)



Professor **Tanguy Struye de Swielande** is professor in International relations at the Catholic University of Louvain (UCL) and at the Royal Military Academy, where he teaches Geopolitics, International Relations Theories and Foreign Policy Analysis. He also coordinates the Baillet Latour Chair "European Union-China". Since September 2016, he is the Director of the "Centre d'Etude des Crises et des Conflits Internationaux" (CECRI). His

area of expertise : great power's relations, geopolitics, geoeconomy, foreign policy analysis, international relations, security and defense policy, new actors in international relations. Professor Tanguy Struye de Swielande is the author of « La politique étrangère de l'Administration Bush, analyse de la prise de décision (2001-2005) », Coll. CECRI, Bruxelles, P.IE.- Peter-Lang, 2007 and « La Chine et le repositionnement des grandes puissances en Afrique : analyse géostratégique et géoéconomique », Louvain-La-Neuve, PUL, CIACO, 2010.

June 9th, 2018 from 9:15 am to 1:00 pm - "Geopolitics of Water, Development Challenges and New technologies: Towards a New Geopolitical Paradigm?" Venue: ULB Campus Solbosch Building S - Auditorium: Salle Dupréel, Avenue Jeanne 44, 1050 Brussels.



Professor **Riccardo Petrella** is perhaps best known in the English-speaking world for his path-breaking book, *The Limits to Competition*. This book, widely seen as the 1990s counterpart to the Club of Rome's *Limits to Growth* report of the 1970s, was first published in 1995 while Riccardo Petrella was President of the Group of Lisbon. It soon became an intellectual bestseller in the United States and has been

now translated and published in ten languages. Professor Riccardo Petrella has taught in many universities around the world. He worked for the European Commission as supervisor of the FAST-programme (Forecasting and Assessment in Science and Technology). Before that he was secretary-general of the Italian committee for the development of social sciences and director of the European Center for Research in Social Sciences of UNESCO in Vienna. In the 90s, he published a trilogy, the last book being "Water Manifesto", that defends the universal rights to water. He is currently Director of the IERPE "Institut Européen de Recherche sur la Politique de l'Eau" and the Secretary General of the "International Committee for a World Water Contract".



Professor **Jean-Pascal van Ypersele** is a Belgian academic climatologist. He is a professor of Environmental Sciences at the Université catholique de Louvain (UCL) in Louvain-la-Neuve (Belgium). He is specialized in modelling climate and the climate effects of human activities, and has recently focused his research on climate change at the regional scale (modelling and impacts) and on integrated assessment of

climate change. He chairs the Energy & Climate Working Group of the Belgian Federal Council for Sustainable Development. In 2008, Jean-Pascal van Ypersele has been elected Vice-chair of IPCC (Intergovernmental Panel on Climate Change, which shared with Al Gore the 2007 Nobel Peace Prize), after participating in its work since 1995. In that capacity, he led a reflection group on the future of IPCC, which proposed a number of reforms that were adopted by the IPCC Plenary in 2009. In 2009, he was elected a Member of the Belgian Royal Academy. He has participated to a number of United Nations conferences on climate issues as scientific advisor and was instrumental in creating in 2002 the UN work programme on climate communication and education. Among other prizes, he received in 2006 the « Energy and environment award » from the International Polar Foundation, the "Francqui Chair" from the Université libre de Bruxelles in 2007-2008, and was made Honorary Member of the Club of Rome EU Chapter in 2010. In 2011, he received the « Francqui Chair » from HUBrussel, co-organized the first Stephen Schneider Symposium, was made honorary citizen of the city of Dinant (Belgium), and received the highest distinction awarded by the Government of the Walloon Region: "Commandeur du Mérite wallon".

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