

PRESS RELEASE

INTERNATIONAL INTENSIVE COURSE

" Waste to Energy as an Integral Part of Sustainable Waste Management Worldwide: The case of Baku city / Azerbaijan"

Peania, June 27th, 2013

The [Earth Engineering Center \(EEC\) of Columbia University](#) in collaboration with [WTERT-Greece / SYNERGIA](#) and "[Tamiz Shahar](#)" JSC organized a successful interdisciplinary event focus on state of the art technologies for sustainable waste management, entitled **"Waste to Energy as an Integral Part of Sustainable Waste Management Worldwide. The case of Baku city / Azerbaijan"**.

This intensive course was successfully completed with great participation on Friday, June 21st 2013 at the University ADA at Baku (Azerbaijan Diplomatic Academy). The program was addressed to engineers and other professionals in the environmental sector plus governmental authorities, University students, etc. The 5-day intensive seminar was co-organized by the Earth Engineering Center of Columbia University, WTERT Greece and The Azerbaijani Public Company Tamiz Shahar (responsible for Municipal Waste Management), from June 17th -21st 2013.

The workshop was organized for the first time in Azerbaijan, aiming at the examination of state-of-the-art technologies for the sustainable waste management, as well as its significance in the production of renewable energy. The workshop focused on new practices in evaluating the environmental benefits and impacts, as well as the economic viability of all sustainable waste management technologies including:

- Recycling
- Waste To Energy
- Mechanical-Biological Treatment
- Anaerobic Digestion
- Sanitary landfilling

The program was followed by a total of fifty participants with various backgrounds, such as engineers, professionals and executives in the environmental sector, governmental authorities, policy makers, researchers and postgraduate students, etc., from 17 Countries :Azerbaijan, Turkey, Indonesia, India, Oman, Nigeria, Ghana, Libya, Brazil, France, Belgium, Italy, Greece, USA, Lebanon, Austria and England.

The program was under the auspices of ADA, the Caspian Center for Energy & Environment (ICEE) and the main sponsor was The French company CNIM S.A. The seminar managed to achieve the main target, which was to bring together professionals from the sector of sustainable waste management in order to exchange views and deepen their knowledge regarding modern waste management technologies, through a thorough, 28-hour overview of global sustainable waste management practices and their contribution in the production of energy from Renewable Energy Sources.

The international Professors plus Azerbaijan Keynote speakers of the seminar were Nicholas Themelis, Stefano Consonni, Carlo Vandecasteele, Franz Neubaher, Efstratios Kalogirou (Scientific Coordinator of the Seminar), Zakir Ibrahimov, Oqtay Mammadov, Sabit Zeyniyev, Vusal Nasirili and the Plant Manager of the WTE Plant, Stefano Danieli.

The participants had within their last day on June 21st, the unique opportunity to visit the new modern WTE Plant of Baku, which in the capacity of 500,000 / year MSW, is the largest new constructed, state of the art Waste to Energy Plant in Eastern Europe, producing Energy 231 GWh annually, as a renewable energy source. Also they visited a modern Materials Recovery Facility with a capacity of 200,000 / year (Balakhani Industrial Park).

About WTERT Greece (SYNERGIA):

The Waste-to-Energy Research and Technology Council of Greece was established in July 2008 by the Center of Environmental Engineering (Earth Engineering Center) of Columbia University, New York, by members of the Laboratory of Thermodynamics and Transport Phenomena of the School of Chemical Engineering of the National Technical University of Athens (NTUA), and members of the Laboratory of Heat Transfer and Environmental Engineering of the Department of Mechanical Engineering of the Aristotle University of Thessaloniki (AUTH). Other members of SYNERGIA include professors from all universities of Greece, as well as foreign universities. WTERT Greece is now an Academic Partner of the European Confederation of Waste-to-Energy Plants / CEWEP. The main idea of the Council is that a close collaboration between academics, researchers, as well as public and industry stakeholders, will help Greece develop Waste-to-Energy and preserve the Greek land for future generations.

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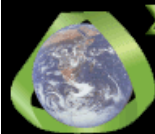
Some indicative photos of the Workshop are following below:



Phot. 1. Dr. Themelis, Dr. Kalogirou, Dr. Consonni, Dr. Vandecasteele, Dr. Neubacher



Phot.2. Auditorium in ADA



Phot.3. Auditorium at ADA



Phot.4. Prof. Consonni



Phot. 5. Dr. Kalogirou



Phot.6 Lectures at ADA



Phot. 7. Certificates Ceremony at ADA (Ibrahimov, Themelis, Kalogirou)



Phot.8 Final Photo of Certificates Ceremony at ADA



ΣΥΝΕΡΓΕΙΑ
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Συμβούλιο Ενεργειακής Αξιοποίησης Αποβλήτων
Waste-to-Energy Research and Technology Council

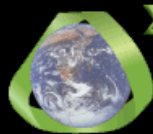
Πρωθώντας την Αειφόρο Διαχείριση Αποβλήτων



Phot. 9. Dr. Kalogirou, Dr. Zeyniyev



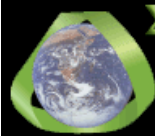
Phot. 10. Group of Participants



Phot 11. Technical Visit in Bakalhani Industrial Park (Material Recovery Facility)



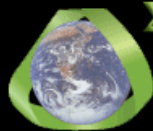
Phot. 12. Technical Visit in WTE Plant Bakou



Phot. 13. Technical Visit in WTE Plant Bakou



Phot. 14. Control Room WTE Plant Bakou



Phot.. 15 Mr. Mammadov & Dr. Kalogirou at Bakou WTE Plant



Φωτ. 16. Dr. Kalogirou , WTE Plant Bakou



Φωτ. 17. Prof. Themelis & Dr. Kalogirou (Source Separation of MSW in Baku)