Workshop dedicated to the memory of  
Prof. Alberto ROZZI

‘Research and innovation in wastewater treatment’
Politecnico di Milano – ENEA Bologna
November 25th-26th 2004

November 25th - Politecnico di Milano – Hall S01

8:30– 9:15  Reception
9:15 – 9:45  Opening (C. Nurizzo, W. Müller)

Session 1:  Priorities and perspectives in wastewater treatment (Chairman: W. Müller)
9:45 – 10:15  Water In Short Cycles
(G. Lissens & W. Verstraete, Ghent University)
10:15 – 10:45  EU strategies for water quality: priorities and perspectives
(A. Tilche, European Commission, DG Research)

10:45 – 11:15  Coffee Break

Session 2:  Membrane Bioreactors (Chairman: A. Tilche)
11:15 – 11:45  Design, experience and perspectives
(P. Cornel and S. Krause, Darmstadt Technical University)
11:45 – 12:15  Membrane Bioreactors in Drinking Water Treatment: review and pilot scale results on an
heterothrophic separative MBR (F. Malpei, G. Buttiglieri, M. Garavaglia, J. Ligthart, H. Nieman; Politecnico di Milano, EC Joint Research Center Ispra)
12:15 – 12:45  Alberto Rozzi memorial awards to two Italian graduates for the best thesis on
wastewater treatment technologies in the academic year 2002-2003

12:45 – 14:00  Buffet

14:00 – 14:15  Opening (M. Pascoe, International Water Association)

Session 3:  Sensors for the measurement of bacterial activity (Chairman: J. Lema)
14:15– 14:45  Respirometry: does it work in practice?
(H. Spanjers, LeAF Lettinga Associates Foundation, Wageningen)
14:45 – 15:15  Simultaneous calorimetric and respirometric measurements for textile wastewater
caracterisation (E. Daverio and J. Ligthart, EC Joint Research Center Ispra)
15:15 – 15:45  Set point titration for the measurement of bacterial activity and substrates concentration
(E. Ficara, V. Mezzanotte, A. Rozzi, Politecnico di Milano, Università Statale di Milano)

15:45 – 16:15  Coffee Break

Session 4:  Anaerobic digestion (Chairman: F. Malpei)
16:15 – 16:45  Challenges and Opportunities for Anaerobic Processes
(J. M. Lema, University of Santiago de Compostela)
16:45 – 17:15  Modelling of Anaerobic Digestion Processes: A Review
(E. Remigi, K. Foxon, University of KwaZulu-Natal)
17:15 – 17:45  Closing
November 26\textsuperscript{th} – ENEA BOLOGNA

9:00 – 9:15  Opening (R. Canziani, L. Luccarini)

Session 1:  Automation in wastewater treatment plants (Chairman: L. Luccarini, ENEA)
9:15 – 9:45  The contribution of public authorities to the improvement of wastewater treatment facilities (G. Bortone, Regione Emilia-Romagna, I)
9:45 – 10:15 Efficient Operation of Urban Wastewater Treatment Plants (EOLI): an European project dedicated to sequential batch reactors (D. Dochain, Université Catholique de Louvain)
10:15 – 10:45 Automation in wastewater treatment plants
(P. Ratini - SPES)
10:45 – 11:15  Coffee Break

Session 2:  On-line process monitoring (Chairman: R. Canziani)
11:15 – 11:45 Monitoring and control of a pilot scale SBR (L. Luccarini - ENEA)
11:45 – 12:15 On-line monitoring by UV spectrophotometry sensors (A. Pauss, M. Bekri, T. Ribeiro, O. Schoefs, Université de Technologie de Compiègne)
12:15 – 12:45 On-line monitoring by set-point titration (N. Fiocchi, E. Ficara, R. Canziani, Politecnico di Milano)
12:45 – 14:00  Buffet

14:00 – 16:00  Technical visit: the TItration Automatic ANalyzer (TITAAN) located at the WWTP of Trebbo di Reno – Bologna