INTERNATIONAL ENERGY AGENCY - THE COMBUSTION INSTITUTE (Italian Section)

WORKSHOP ON:

ATTRITION PHENOMENA IN FLUIDIZED BED CONVERSION OF FOSSIL/NON FOSSIL FUELS

Venue: University of Salerno, Italy, October 30th, 2000

Chairmen: Piero Salatino, Riccardo Chirone, Arnaud Boelle

PROGRAM

- 9.00 9.15 Opening of the Workshop
- 9.15 9.45 Particle breakage in fluidised bed jets; by *Bentham, A.C., Kwam, C.C., Boerefijn, R., Ghadiri, M.*
- 9.45-10.15 Influence of attrition phenomena on the steady state particle size distribution in a CFB combustion system; by *Hartge, E.-U.*, *Reppenhagen, J., Schetzschen A., Werther, J.*
- 10.15 10.45 A survey of attrition research in Naples; by Salatino, P., Chirone, R.
- 10.45 11.15 Char attrition during pressurised fluidized bed combustion of Australian black coals; by *Stubington, J.F., Wang, A.L.T.*
- 11.15 11.30 COFFEE BREAK
- 11.30 12.00 Ash formation under circulating fluidized bed combustor conditions; by *Winter, F., Liu, X.*
- 12.00 12.30 Influence of attrition on combustion of biomass pellet char; by Leckner, B., Palchonok, G., Borodulya, A., Tullin, C., Samuelsson, J.
- 12.30 13.00 The effect of fragmentation on the fly ash formation during biomass combustion in CFBC; *Lind, T., Kauppinen, E.I.*
- 13.00 13.30 The relevance of attrition phenomena during the fluidized bed combustion of plasticwastes; by *Arena*, *U., Mastellone*, *M.L*.
- 13.30 15.00 LUNCH BREAK
- 15.00 15.30 Primary fragmentation of Korean anthracite coals during devolatilization; by *Lee, S.-H., Kim, Y.-H., Kim, S.-D.*
- 15.30 16.15 A survey of attrition research at VINCA;
 - Experimental results of primary coal fragmentation in fluidized bed for eight different coals New interpretation of results; by *Dakic, D., Grubor, B.D., Oka, S.N.*

- Pressure increase inside a coal particle during devolatilization in a fluidized bed combustor New results of mathematical modeling; by *Dakic, D., Ilic, M., Oka, S.N.*
- Statistical model for prediction of primary fragmentation of coal particles in fluidized bed combustion Comparison with experimental results; by *Dakic*, *D.*, *Grubor*, *B.D.*, *Oka*, *S.N*.

16.15 – 16.30 COFFEE BREAK

- 16.30 17.00 Analysis of a tentative coal comminution model for CFBC; by *Boëlle, A., Qian, M.*
- 17.00 17.30 Experimental investigation on the final ash size formation character of coal under CFB conditions; by *Qian, M., Boëlle, A., Jaud P., Yue, G., Tang, Z.*
- 17.30 18.00 CONCLUSIVE REMARKS