PARTNER SEARCH FORM

DATE:
PROJECT INFORMATION
TITLE: **ACRONYM:** EXDUSTCON
SUMMARY:
KEYWORDS*:
CALL: BS-ERA.NET 2010
NAME(S) of the PARTNER(S) INVOLVED:
SCIENTIFIC AND TECHNOLOGICAL EXPERTISE OFFERED*: Research group has great experience in non-conventional techniques for micrometry powder characterization, Acoustics, vibroacoustics; Optical, structural and dilatometer analysis (UV-VIS), RAMAN; High power ultrasound generators, devices and transducers for ultrasonic mechanical vibration, monitoring systems; **Proposal:** Design and manufacture of high power ultrasonic device for haste of thin particles in air and dust; non-conventional techniques of dust measurement. Some relevant recent researchers' publications are listed below: 1. M. Mihai, D. Turtoii, R. Isopescu, C. Mateescu, **I. Chilibon**, Calcium Carbonate Synthesis in Ultrasonic Field, *REV. CHIM.*, Bucharest, Vol. 60, Nr. 6, p. 626 – 631, 2009 2. **I. Chilibon**, Ultrasound transducer for medical therapy, *Sensors and Actuators A: Physical*, Publisher Elsevier Science B.V., Amsterdam, Vol. 142, Issue 1, p. 124-129, March 2008 3. C. Mateescu, M. Mocioi, C. Sarbu, R. Isopescu, **I. Chilibon**, Calcium Carbonate Precipitation in Ultrasonic Field, 13th International Workshop on Industrial Crystallization, *BIWIC 2006*, Delft, Nederlands, 13-15 Sept 2006, Editors: P.J. Janssens, I.H. ter Horst, S. Jiang, Process&Energy Laboratory, p. 193-200, 2006 4. M. Wevers, J.P. Lafaut, L. Baert, **I. Chilibon**, Low-frequency ultrasonic piezoceramic sandwich transducer, *Sensors and Actuators A: Physical*, Vol. 122, (2), p. 284-289, 26 August 2005 5. **I. Chilibon**, High power ultrasonic piezoceramic vibratory sandwich transducers, *Proceedings of the Tenth International Congress on Sound and Vibration, (ICSV10),* Jul 7-10 2003, Stockholm, Sweden, p. 1035-1042, 2003
PARTNER SOUGHT

SCIENTIFIC AND TECHNOLOGICAL EXPERTISE REQUESTED:
EXPECTE D CONTRIBUTION TO THE PROJECT:
ORGANISATION TYPE*: ☐ Higher Education X Research Institute ☐ R&D Company ☐ SME ☐ Other
HOW MANY PARTNERS ARE REQUIRED?
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COUNTRY* : ROMANIA

*** mandatory fields**