

---

### The 6th KONA Award

---

The 6th KONA Award sponsored by Hosokawa Powder Technology Foundation and given to the scientists or groups who have achieved excellence in the rerearches related to the basic powder technology, was presented to Professor Sin-ichi Yuu of Kyushu Institute of Technology by Masuo Hosokawa, President of the Foundation on January 22, 1997 at the R&D Center of Hosokawa Micron Corporation in Hirakata.

Professor Yuu is one of the pioneers in computer simulations of powder flow dynamics, and has over the past twenty years made many research achievements in that area. Among those achievements the research into the behavior of solid particles in gas-particle turbulent jet was particularly outstand-

ing, in which Professor Yuu derived a stochastic model that takes into consideration the interaction between a vortex and particles, and provided an approach for predicting a particle motion that takes place in an actual turbulent flow such as a jet and a tubular flow. In addition, Professor Yuu derived a theoretical formula for diffusional transportation of particles by turbulent flow, which made it possible to determine a turbulent diffusion coefficient, average velocity distribution and concentration distribution of particles.

These basic researches provide the basis for making a simulation approach to various industrial problems related to a gas-particle turbulent jet, a phenomenon that is extremely complex.



---

### 9TH EUROPEAN SYMPOSIUM ON COMMINUTION

8, 9 and 10 September 1998  
Albi, (near Toulouse) France.

**Further information from:**

**Professor J.A. Dodds  
Ecole des Mines d'Albi  
Campus Jarlard  
81013 Albi Cedex  
France  
Tel: (33) 05 63 49 30 00  
Fax: (33) 05 63 49 30 99  
e-mail: dodds@enstimac.fr**