



## **Professor Sotiris Pratsinis**

«I'm fascinated by the magic of particles. They are literally everywhere, crying-out to be understood so they can be used creatively and efficiently.»

# Particle Technology Laboratory

## Institute of Process Engineering

We are committed to teaching the fundamentals of process (chemical) engineering, focusing on aerosol particle science and technology. We do this through classroom and laboratory courses and thesis research in response to the needs of society. We focus on innovation, effective scientific communication and leadership in the international academic and industrial communities.

### Tutoring

We train motivated, inspiring students who are thirsty to learn and, most importantly, believe that they can make a difference in the world.

### Research areas

- Multiscale process design (continuum, mesoscale and molecular dynamics)
- Gas sensors for breath analysis and health monitoring
- Flame synthesis of materials in catalysis and biomedical engineering
- Particle dynamics (population balances and fluid mechanics)

Further details online:  
[www.ptl.ethz.ch](http://www.ptl.ethz.ch)

