

Welcome to the

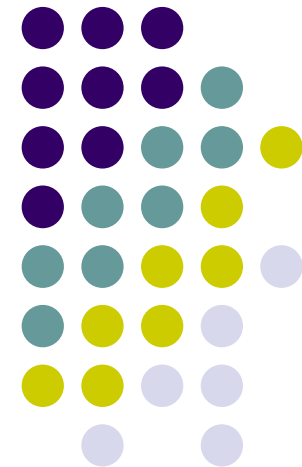
7th LEIBNIZ CONFERENCE OF ADVANCED SCIENCE



Sensorsysteme 2008

Lichtenwalde

16. – 18. Oktober 2008



The role of sensor systems



- **Sensor systems are the sense organs of man-made things**
- **Sensor systems allow communication between things („internet of things“)**
- **Sensor systems collect data and enable things to adapt to surroundings**

Are sensor systems special ?



- **Sensor systems will have a tremendous impact on our future life („alteration from quantity to quality“)**
- **Sensor systems provide a truly interdisciplinary challenge („fractal structur“)**

Sensor systems everywhere



- **Sensor system applications penetrate all areas of our life: at work, at home, in our environment**
- **Sensor systems will grow to unprecedented numbers (>10¹²)**

Inherent interdisciplinarity of Sensor systems



- **Ubiquitous applications require broad application know how**
- **Sensor system itself require deep knowledge of multiple technical disciplines (sensors, power supply, data processing, communication systems etc.)**
- **Sensor systems require serious consideration of non-technical interdependencies (legal, societal, etc.)**