

## **Seminarvortrag**

## **Fachgebiet Mikrotechnik**

**Montag, den 14. Mai 2012**

**16:15 - 16:35 Uhr**

**Ort: Neues Physikgebäude**

**1. Etage**

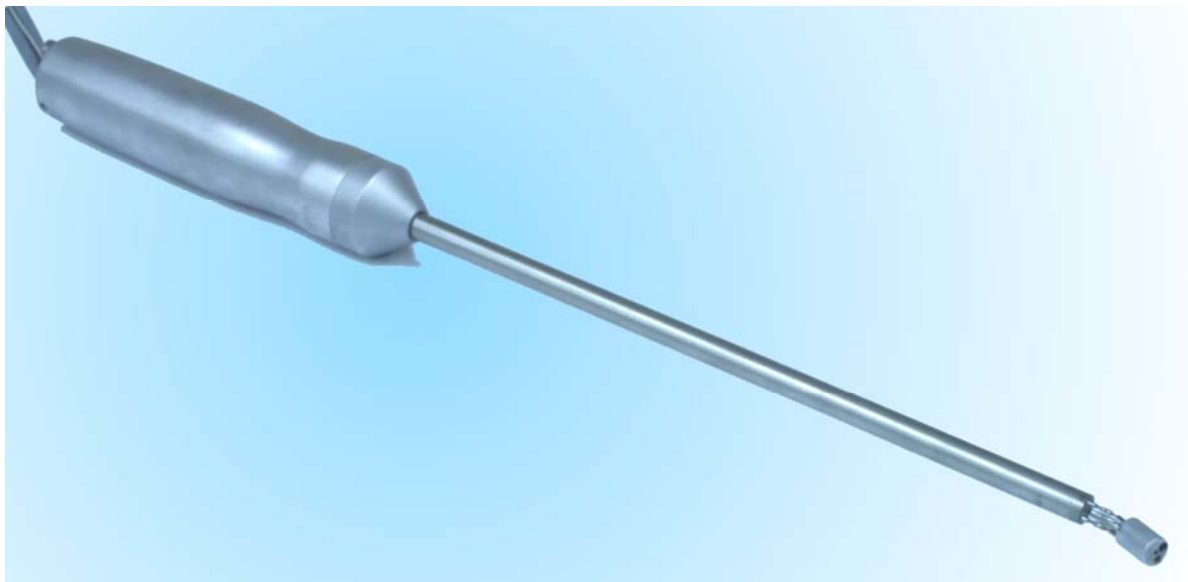
**Westflügel**

**Raum EW 115 A**

### **Endoscope with flexible Tip and Chip-on-the-Tip-Camera**

**Dipl.-Ing. Sebastian Schlegel**

During minimally invasive interventions, the surgeon depends on an image of the operative site provided by an endoscope. While rigid endoscopes make it hard to gain an overview of the area of interest, flexible endoscopes show a very limited image quality. A newly developed endoscope combines the advantages of both techniques: The area of view may be easily shifted as in a flexible endoscope, while the easy handling and superb video quality of a rigid scope is maintained. All functions are controlled electronically, allowing for a wide range of intuitive interfaces and automated features.



**This talk will be presented by Sebastian Schlegel at the  
World Congress 2012 of Medical Physics and  
Biomedical Engineering in Beijing, China, PRC**