

Einladung zum Institutskolloquium

Thema: **Aktuelle Forschungsergebnisse bei der magnetischen Datenspeicherung in Plattenspeichergeräten**

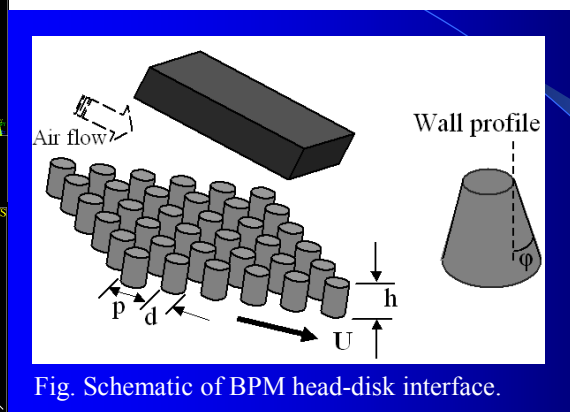
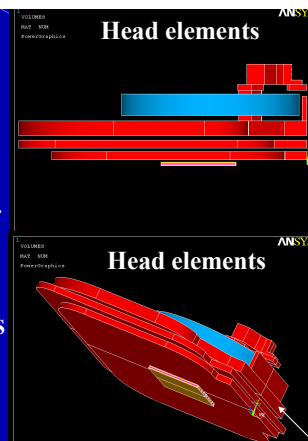
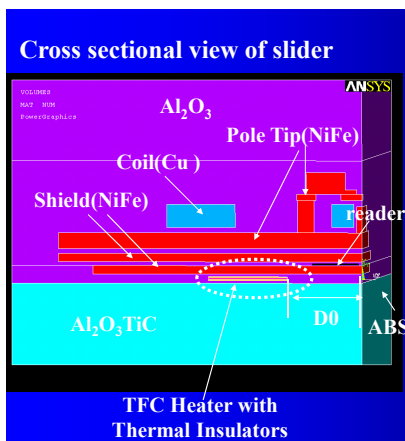
Vortragender: **Prof. Dr.-Ing. E.h. Frank E. Talke**
Center for Magnetic Recording Research
University of California, San Diego, USA

Leitung: **Prof. Dr.-Ing. habil. Jens Lienig**

Zeit / Ort: **17. April 2009, 13 Uhr im Barkhausenbau II/56**

Abstract: An overview of current design and tribology research at CMRR (Center for Magnetic Recording Research) in the area of high density magnetic recording disk drives will be given. The status of patterned media recording will be discussed and the design of low flying magnetic recording heads on patterned media will be presented. The implementation of thermal flying height control heads will be discussed and the optimization of thermal flying height control heads will be shown. Research in the area of carbonless disk overcoats will be presented along with a discussion of thermal erasure due to slider disk contacts.

Professor Frank E. Talke received a Dipl.-Ing. degree from the University of Stuttgart in 1965 and M.Sc. and Ph.D. degrees from the University of California, Berkeley in 1966 and 1968, respectively. From 1969 through 1986, he was working at the IBM Research and Development Laboratories in San Jose, CA. Dr. Talke accepted a position as an Endowed Chair Professor at CMRR, University of California, San Diego, effective March, 1986. He is the author of more than 240 publications and holds 11 US patents. His research interests are in the areas of the head/disk and head/tape interface, tribology, mechanical design related to magnetic recording technology, and high precision instrumentation. Dr. Talke was awarded, among others, with the Humboldt Prize in 2007 and with the Honorary Doctorate Degree (Dr.-Ing. E.h.) of the TU München in 2005.



Hinweis: Der etwa 45-minütige Vortrag wird in deutscher Sprache gehalten.