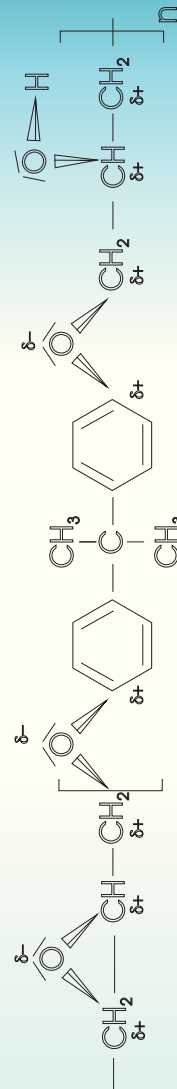
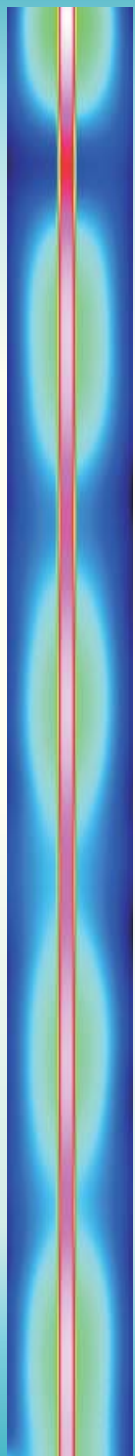


ICOPS 2008

35th IEEE International Conference on Plasma Science



Mini Course

Microwave Processing of Materials

June 19-20, 2008

Research Center Karlsruhe, Germany

<http://www.fzk.de/icops2008>

OVERVIEW

As part of the International Conference on Plasma Science 2008 (ICOPS 2008), a special two-day minicourse on microwave processing technologies will be offered on Thursday June 19th and Friday June 20th. ICOPS 2008 will be held at the Congress Center Karlsruhe and the minicourse will be held at the Research Center Karlsruhe, Germany. A group of international experts from academia and industry will provide a set of comprehensive lectures on industrial microwave processing and systems, avionic applications, antennas, energy efficient waveguides and transmission devices as well as computational methods.

Microwave processing is extremely important for a variety of industrial applications. These include high performance materials used in automotive, aerospace, electronic and medical applications, chemical industry, environmental technologies, as well as advanced materials development and materials processing. This minicourse presents a unique opportunity to learn from leading, international microwave processing experts.

- Industrial microwave systems
- Waveguides and transmission devices



The course is structured in three sessions. A single session on the first day will cover some fundamentals of microwave processing technologies with a main focus on development, energy efficiency and devices.

Two parallel sessions will run on the second day. These sessions will focus on avionic and automotive applications as well as on simulations and dielectric measurements.

Who should attend

The course is designed for engineers/scientists from industry and research, technicians, and graduate level engineering/science students with an interest in applied microwave technologies and applications. At the same time, for the audience, the instructors will provide the most current information and will provide laboratory visits on the latest technology developments in their respective areas.

- Avionic and automotive applications
- Simulations and dielectric measurements

Supported by:

Mini Course Chair: Dr. Lambert Feher



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