



BASIC PRINCIPLES OF MICROWAVE HEATING WEBINARS

THE COURSE

This two-part webinar will introduce participants to the fundamental principles of microwave energy and microwave heating. Largely nonmathematical in scope, its aim is to introduce these basic principles to persons involved in or interested in the use of microwaves to heat materials. Topics to be covered include:

- What are microwaves?
- The electromagnetic spectrum
- The characteristics of microwave energy
- Interaction of microwaves with materials
- Fundamental heating principles:
 - Dipolar rotation
 - Ionic conduction
- The microwave power equation
- Dielectric properties of materials
- Penetration depth

WHO SHOULD ATTEND?

All those interested in or actively using microwave energy for the heating, analysis or modification of materials. This includes the applications of microwave ovens, industrial processing systems, chemical analysis, etc.

LOGISTICS

Part 1: Tuesday, May 6th from 11am-12pm EST
Part 2: Tuesday, May 13th from 11am-12pm EST

REGISTRATION

IMPI Members: Free of Charge
Non-members: \$99 for one session; \$159 for both sessions

Pre-registration is required. Registration at <http://impi.org/events/>

Once you are registered, you will receive an email with Log In instructions.

Presented by

THE INTERNATIONAL MICROWAVE POWER INSTITUTE

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