

AMPERE 2023: Short Course



Daniel Slocombe and Jerome Cuenca, Organizers

September 11, 2023

**Cardiff University
Cardiff, Wales, U.K.**

Synopsis

The traditional Short Course is a premier event to introduce the participants in the fields of microwave and RF heating systems, technologies, and applications in many scientific and industrial processes. The short course consists of five talks by academic leading experts in a classroom-like format.

Program & Schedule

8:30 – 8:45

Registration

8:45 – 9:00

Introduction

Jerome Cuenca and Daniel Slocombe
Cardiff University, Cardiff, UK

Session I

9:00 – 10:00

General principles of microwave heating and dielectrics

Prof Georgios Dimitrakis
University of Nottingham, UK

10:00 – 10:30

Break

10:30 – 11:30

Microwave measurements

Prof Adrian Porch, Cardiff University, UK

11:30 – 12:30

Multiphysics Modeling – Goals, Options, and State-of-the-Art

Prof Vadim Yakovlev, Worcester Polytechnic Institute, USA

12:30 – 14:00

Lunch

14:00 – 15:00

TBC

Dr Birgitta Raaholt, RISE Research Institutes of Sweden

15:00 – 15:30

Break

15:30 – 16:30

From characterization to industrial applications of MW/RF processing

Dr Marilena Radoiu, Microwave Technologies Consulting

16:30 – 17:00

Questions, comments and concluding remarks

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