
 GROUND BREAKING MR SCIENCE • SUPERIOR MR EDUCATION • GLOBAL NETWORKING

ISMRM Workshop on Ultrahigh Field Magnetic Resonance: Technological Advances, Translational Research Promises & Clinical Applications


 19.25* AMA PRA Category 1 Credits™

Dubrovnik, Croatia • 31 March-03 April 2019

Abstract & Stipend Deadline: 17 January 2019

OVERVIEW

Ultrahigh field MR (UHF-MR) is moving forward at an amazing speed. With more than 55,000 exams already performed at 7.0 T, the reasons for translating UHF-MR into clinical applications are more compelling than ever. This workshop will provide an overview of the state of the art and the clinical relevance of UHF-MR. Presentations will be devoted to novel methodology, safety topics, clinical experience, and future directions of UHF-MR, with the prospect of solving technical problems, identifying key applications and conceiving new clinical applications. As they are advanced, the workshop will help to push the boundaries of MR physics, MR safety, MR engineering, imaging science, biomedical research and diagnostic imaging.

EDUCATIONAL OBJECTIVES

Upon completion of this activity, participants should be able to:

- Identify the clinical applications that benefit from ultrahigh magnetic field strengths;
- Discuss the needs of and insights from UHF-MR in a clinical environment;
- Recognize the clinical potential of UHF in neuroscience;
- Explain the advances of body, cardiac, and musculoskeletal UHF-MR;
- Describe the engineering and MR safety needs at ultrahigh fields; and much more.

TARGET AUDIENCE

This workshop is targeted toward basic researchers, engineers, translational researchers and clinical scientists using or considering UHF-MR; young scientists, new entrants into the field and under-represented groups; clinicians (e.g., radiologists, cardiologists, neurologists, surgeons, nephrologists); neuroscientists with an interest in UHF-MR; undergraduate and graduate students using or considering use of UHF-MR; as well as toward application experts, radiographers, and technicians.

ORGANIZING COMMITTEE

Committee Co-Chairs: Thoralf Niendorf, Ph.D. • Gregory J. Metzger, Ph.D.

Committee: Anke Henning, Ph.D. • Benedikt A. Poser, Ph.D. • Titti Owman, R.N.(R)(CT)(MR)FSMRT • Jutta Ellermann, M.D., Ph.D.

Karin G. Markenhof-Bloch, Ph.D. • Ravinder Reddy, Ph.D. • Itamar Ronen, Ph.D. • Cornelius A.T. van den Berg, Ph.D.

Trainee Observers: Aurelien Massire, Ph.D. • Eva Oberacker, Dipl.-Phys. • Rita Schmidt, Ph.D.

Consultants to Committee: Douglas A.C. Kelley, Ph.D. • Christina Triantafyllou, Ph.D.

Educational Focus Session Organizers: Nicola De Zanche, Ph.D. • Malgorzata Marjanska, Ph.D.

For More Information Including Housing & Registration,
 Please Visit: www.ismrm.org or Call + 1 510 841 1899