



myWAVE



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“European network
for advancing Electromagnetic
hyperthermic medical technologies”

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1st Joint Working Groups 1 & 2 Meeting:
Best practices in dielectric and thermal measurements
&
Trends and perspectives in magnetic hyperthermia

Sibiu, Romania
July 8-9, 2019

ORGANIZERS:

Lucian Blaga University of Sibiu
Academia Ardeleana Foundation
Sibiu City Hall

EVENT SUPPORTER:
THE DEMOCRATIC FORUM OF THE GERMANS IN ROMANIA

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PROGRAM

Location: Lutsch House
Hall of the Democratic Forum of the Germans in Romania
SIBIU
ROMANIA



July 8-9, 2019



Monday, July 8	
8:30 – 8:45	Registration
8:45 – 9:00	<p>Brief opening and introduction to welcome speeches - by <i>Emily Porter & Simona Miclaus</i></p> <p>Welcome speech of the local organizing institution - by Prof. dr. <i>Claudiu Kifor</i>, Vice-rector, Lucian Blaga University of Sibiu, Romania</p> <p>Local host welcome - by <i>Helmut Lerner</i>, the Democratic Forum of Germans in Romania and Sibiu City Hall, Romania</p>
9:00-9:10	Short musical welcome program by: Iuliana Cotirlea – violin; Gabriel Silisteanu – viola; Brita Falch Leutert – piano.
Dielectric Measurement of Tissues (WG1)	
9:10-10:40	<p>9:10-9:40 – “Dielectric Measurement Metadata and the MINDER Framework”, <i>Emily Porter</i>, Ireland</p> <p>9:40-10:10 – “The effect of temperature dependent calibrations on dielectric measurements”, <i>Julian Bonello</i>, Malta</p> <p>10:10-10:40 – “Open-Ended Coaxial Dielectric Probe Sensing Depth Analysis–Simulation Study”, <i>Anđela Matković</i> and <i>Antonio Šarolić</i>, Croatia</p>
10:40 – 11:10	Coffee break
11.10 – 13:10	<p>11:10-11:40 – “Controlled Environment for Dielectric Measurement by Limiting Dehydration”, <i>Gertjan Maenhout</i>, Belgium</p> <p>11:40-12:10 – “Application of machine learning to predict dielectric properties of in vivo biological tissue”, <i>Branislav Gerazov</i>, North Macedonia</p>

	<p>12:10-12:50 – “Temperature dependent permittivity and conductivity measurements of porcine tissues”, <i>Marko Helbig</i>, Germany</p> <p>12:50-13:10 – “Round table with WG1” led by <i>Raquel Conceição</i>, Portugal; and <i>Ilja Ocket</i>, Belgium</p>
13:10 – 14:10	Organized Lunch
14:30 – 14:45	Reminder about reimbursement, details on the dinner and tour – by <i>Emily Porter & Simona Miclaus</i>
Thermal Properties of Tissues (WG1 & WG2)	
14:45 – 15:45	<p>14:45-15:15 – “Measurement of thermal properties of ex vivo liver tissue as a function of the temperature”, <i>Marta Cavagnaro</i>, Italy</p> <p>15:15-15:45 – “Thermal properties workshop”, <i>Laura Farina</i>, Ireland</p>
15:45 – 16:15	Coffee break
16:15 – 17:15	<p>16:15-16:45 – “Thermal modeling status”, <i>Maarten Paulides</i>, Netherlands</p> <p>16:45-17:15 – “MR HT and MRT based thermal tissue properties extraction”, <i>Gennaro Bellizzi</i>, Netherlands</p>
17:45	Bus leaves for the social event
18:30 – 23:30	Social event and networking dinner: <i>Samuel von Brukenthal Summer Palace and Gardens</i> in Avrig
23:30 – 24:00	Bus back to Sibiu

Tuesday, July 9	
Magnetic Hyperthermia (WG2)	
9:00 – 11:00	<p>9:00-9:30 – “Current outlook and perspectives on nanoparticle-mediated magnetic hyperthermia”, <i>Daniel Ortega</i>, Spain</p> <p>9:30-9:50 – “A Computational Study of the bioheat transfer in the Magnetic Hyperthermia – Cancer Therapy”, <i>Iordana Astefanoaei</i>, Romania</p> <p>9:50-10:10 – “Influence of geometrical properties and concentration on the specific loss power of magnetic nanomaterials”, <i>Alessandra Manzin</i>, Italy</p> <p>10:10-10:30 “Ways to optimize magnetic particle hyperthermia efficiency”, <i>Eirini Myrovali</i>, Greece</p> <p>10:30-11:00 Open discussion</p>

11:00 – 11:20	Coffee break
11:20 – 13:00	Presentation of the first WG2 deliverable & open discussion towards its final draft – <i>Lorenzo Crocco</i> , Italy; <i>Maarten Paulides</i> , Netherlands; & <i>Gennaro Bellizzi</i> , Netherlands Closing remarks
13:15 – 14:45	Organized Lunch
14:45	End of the meeting
After 14:45	Social program: <i>Organized visit to the “Astra” Romanian Village Museum in Dumbrava Sibiului</i> or <i>Walking tour in Sibiu</i>

Local organizing committee:

- Prof. dr. Claudiu Kifor – Vice-rector, Lucian Blaga University of Sibiu
- Prof. dr. Daniel Volovici, Lucian Blaga University of Sibiu
- Prof. dr. Maria Vințan, Lucian Blaga University of Sibiu
- Prof. dr. Ioan Mihu, Lucian Blaga University of Sibiu
- Prof. dr. Mihai Bogdan, Lucian Blaga University of Sibiu
- Conf. dr. Roxana Savescu, Lucian Blaga University of Sibiu
- Dr. Ramona Giurea, Lucian Blaga University of Sibiu
- Mr. Helmut Lerner, city councilor, Sibiu City Hall
- Prof. dr. Simona Miclaus, Lucian Blaga University of Sibiu
- Prof. dr. Paul Bechet, Lucian Blaga University of Sibiu

A FEW PICTURES FROM THE EVENT:

