



MIMAS Implant safety workshop

15th-16th September 2021

For more information and registration, please visit:

<https://www.ptb.de/mimas/information-communication/mimas-implant-safety-workshop-2021/>

Day 1, Wed. 15th of Sep 16.00h – 19.40h CEST (UTC+2)

Opening

16:00	Welcome	Tobias Schäffter <i>Physikalisch-Technische Bundesanstalt (PTB), Berlin, Germany</i>
16:05	The MIMAS project and its objectives	Bernd Ittermann <i>Physikalisch-Technische Bundesanstalt (PTB), Berlin, Germany</i>

Passive Implants – MIMAS results

Moderator: Luca Zilberti

16:20	Epidemiological data of patients with hip, knee and shoulder implants submitted to MRI	Fabio Baruffaldi <i>Istituto Ortopedico Rizzoli (IOR), Bologna, Italy</i>
16:35	Combined gradient and RF induced heating	Oriano Bottauscio <i>Istituto Nazionale Di Ricerca Metrologica (INRIM), Turino, Italy</i>
17:00	Do we need (virtual) precision surgery?	Alessandro Arduino <i>Istituto Nazionale Di Ricerca Metrologica (INRIM), Turino, Italy</i>
17:20	Can we use a stochastic approach to MR implant safety?	Louise Wright <i>National Physical Laboratory (NPL), Teddington, UK</i>
17:40	Discussion	
17:50	Break	

Passive Implants – Standardization

Modertors: Fabio Baruffaldi, Oriano Bottauscio

18:10	ASTM F2182: where we are and what we need	Sunder Rajan <i>US Food and Drug Administration (FDA), White Oak, MD, USA</i>
18:40	Implant safety testing – a test house perspective	Gregor Schaeffers <i>MR:comp GmbH, Gelsenkirchen, Germany</i>
18:55	“Tier 2.5” Method for Effective RF Heating Assessment of Short Medical Implants	Manuel Murbach <i>Murbach EMConsulting, Zurich, Switzerland</i>
19:10	Panel Discussion – Passive Implants	all
19:40	Closing	

[Day 2, Thu. 16th of Sep 16.00h – 20:00h CEST \(UTC +2\)](#)

Active Implants - Standardization

Moderators: Frank Seifert, Tolga Goren

16:00	ISO 10974: where we are and what we need	Michael Steckner <i>Canon Medical Research, Beachwood, OH, USA</i>
16:30	Implant safety testing of AIMD– a test house perspective	Tolga Goren <i>Zurich MedTech (ZMT), Zurich, Switzerland</i>
16:50	AIMD safety: manufacturer’s perspective Cardio	Paul Stadnik <i>Biotronik, Lake Oswego, OR, USA</i>
17:05	AIMD safety: manufacturer’s perspective Neuro	Arcan Ertürk <i>Medtronic, Minneapolis, MN, USA</i>
17:20	Discussion	
17:30	Break	

Active Implants II – New Horizons

Moderators: Bernd Ittermann, Lukas Winter

17:50	IEC 60601-2-33: where we are and what we need	Johan van den Brink <i>Philips Medical Systems, Best, Netherlands</i>
18:20	pTx body coils – the future for UHF MRI?	Mark Ladd <i>German Cancer Research Center, Heidelberg, Germany</i>
18:35	“Smart” implants and parallel transmission (pTx)	Lukas Winter

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18:55 pTx mitigation for interventional MRI

Shaihan Malik

Kings College London, London, UK

19:10 Panel discussion – Active implants

all

19:55 Farewell

20:00 Closing