

MagNaStand – Towards an ISO standard for magnetic nanoparticles

Opportunity or Constraint? Multifaceted Aspects of Standardisation of Magnetic Nanoparticles

1st Industrial Stakeholder Workshop
4 July, 2017

Venue: **Physikalisch-Technische Bundesanstalt,
10587 Berlin, Abbestraße 2-12, Germany
Lecture Hall Hermann-von-Helmholtz-Bau**



Agenda

11:00	Frank Wiekhorst, PTB <i>Berlin, Germany</i>	Opening of the workshop
11:10	Uwe Steinhoff, PTB <i>Berlin, Germany</i>	MagNaStand – Towards an ISO standard for magnetic nanoparticles -- Overview over the EMPIR project
11:25	James Wells, PTB <i>Berlin, Germany</i>	Standardisation of magnetic nanoparticles – state of the art and future needs
11:45	Quentin Pankhurst, UCL <i>London, UK</i>	Biomedical applications of magnetic nanoparticles
12:05		Coffee
12:20	Simo Spassov, IRM <i>Brussels, Belgium</i>	RADIOMAG – harmonizing magnetic hyperthermia therapy in a large European network
12:30	Paola Tiberto, INRIM <i>Turin, Italy</i>	A strategy towards reliable determination of the specific absorption value in magnetic hyperthermia
12:45	Daniel Baumgarten, UMIT <i>Hall in Tirol, Austria</i>	Magnetic nanoparticles as contrast agents and tracers in biomedical imaging
13:00		Lunch
14:00	Henrik Teller, micromod Partikeltechnologie GmbH <i>Rostock, Germany</i>	The application of functionalized magnetic nano- and microparticles in Life Sciences
14:20	Craig Barton, NPL <i>Teddington, UK</i>	Stakeholder needs in magnetic nanoparticle related industry and research – lessons learned from the NanoMag project
14:35	Alex Price, BSI <i>London, UK</i>	Linking metrology, research and industry in nanoparticle standardisation
14:45	Roman Rüttinger, DIN <i>Berlin, Germany</i>	Standardisation of nanotechnology in Germany
14:55		Coffee
15:10	Uwe Steinhoff, PTB <i>Berlin, Germany</i>	Current ISO/TC229 WG4 activities related to standardisation of magnetic nanoparticles and beads
15:30		Summary and discussion
16:00		End of the workshop



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About:

MagNaStand is a new EURAMET EMPIR project targeted at supporting the introduction of new ISO standards for magnetic nanoparticles and products containing magnetic nanoparticles.

The project will run from 2017-2020. The main tasks of the project are:

- Coherent and standardized characterisation of magnetic nanoparticles
- Transmission of results from previous and running EU projects concerned with standardisation aspects of magnetic nanoparticles
- Preparation of ISO „Metrological checklists“ for characterisation of magnetic nanoparticles
- Interaction with industrial end-users of magnetic nanoparticles and contribution to ISO/TC229 in preparation of ISO standards

The workshop will provide European stakeholders engaged in magnetic nanoparticle production and application with information about the state and consequences of standardisation of magnetic nanoparticles and about the possibilities to participate and to represent their interests in the standardisation process.

Registration:

No participation fees for registered participants.

For registration, please send an email until 30 June 2017 to the coordinator: uwe.steinhoff@ptb.de

Fax number: +49 30 3481 69 7419

Name:

Company/Organisation:.....

.....

Department:

.....

Adress:

.....

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E-Mail:.....

.....

I intent to participate at the workshop.

Please put me on your mailing list.

MagNaStand partners:

	PTB	Physikalisch-Technische Bundesanstalt, Berlin
	INRIM	Istituto Nazionale di Ricerca Metrologica, Turin
	NPL	NPL Management Limited, Teddington
	BSI	BSI Standards Limited, London
	DIN	DIN Deutsches Institut für Normung e. V., Berlin
	IRM	Institut Royal Meteorologique De Belgique, Brussels
	RISE Acreo	RISE Acreo AB, Gothenburg
	UCL	University College London
	UMIT	Private Universität für Gesundheitswissenschaften, Medizinische Informatik und Technik GmbH, Hall in Tirol
	Das-Nano	Das-Nano S.L., Tajonar
	MICROMOD	micromod Partikeltechnologie GmbH, Rostock



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

EMPIR



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