

PROPOSAL FOR A NEW SPECIAL INTEREST GROUP (SIG)

Name of SIG¹:	Magnetic Resonance Imaging SIG
Parent Committee(s)²:	Scientific Committee (main) Education and Training Committee Professional Matters Committee
Keywords³:	MRI MRI Safety MRI Quality Intercomparison in MRI
Rationale⁴:	<p>The increasing role and activities of MPEs and MPs in MRI Safety, MRI Quality Assurance, including QCs, quantitative MRI, both in clinical and research applications, strongly suggest the creation of an EFOMP SIG for networking, education, research and professional discussion in the field.</p> <p>Furthermore emerging advanced techniques and systems, as quantitative MRI, MRI-LINAC, MRI hybrid modalities, low fields and ultra-high fields, the use of AI, require a network of specific expertise.</p> <p>The SIG activity will be conducted by means of focus groups that will be activated on the topic of patient and staff safety, QA and QC, qMRI, intercomparisons. A coordination of the focus groups activities will allow to organise harmonised education and training events.</p> <p>The target of the SIG is to establish a network of medical physicists (MPs and MPEs) working in the field of MRI, addressing issues related to MRI Safety, MR quality, and with a focus on the clinical activities</p> <p>The SIG target is to is to establish a network of medical physicists (MPs and MPEs) working in the field of MRI, addressing issues related to MRI Safety and MR quality.</p> <p>The SIG will be EFOMP MRI home to foster ideas and creating education and reasearch opportunities for EFOMP members working in clinical , research and industry environments.</p> <p>[1] EFOMP Policy Statement No. 14: The Role of the Medical Physicist in the Management of Safety Within the Magnetic Resonance Imaging Environment: EFOMP Recommendations (2012).</p> <p>[2] Addendum to Policy statement Nr 14: The role of the Medical Physicist in the Management of Safety within the Magnetic Resonance Imaging Environment: EFOMP recommendations (2021)</p> <p>[3] Guidelines on medical physics expert. (Radiation protection 174), European Commission (2014).</p>

<p>Target audience⁵:</p>	<p>Medical physicists (MPs and MPEs) working in the field of MRI safety and MRI quality, both in clinical and research environments.</p>
<p>Expected outcome⁶:</p>	<ul style="list-style-type: none"> - Structure medical physicists involved in MRI, by promoting the existence and actions of the SIG in the EMP News. - Provide a communication platform for members, allowing exchange of opinion & data - Propose and deliver education and training in MRI within ESMPE school editions and EFOMP webinars, to be planned according to the needs. - Propose and organise scientific events (education, professional matters and research) within the ECMP. - Propose recommendations and codes of practice in MRI QA and QC, and publish via the European Journal of Medical Physics. - Participate to the elaboration of EFOMP recommendations and Policy Statements in the domain. - Collaborate with other associations (AAPM, ESR, ESMRMB, ISMRM) involved in MRI with whom the EFOMP wishes to establish or already has Memoranda of Understanding. - Develop and disseminate expertise, and provide input to existing international bodies involved in the field. - Provide feedback and ideas to promote the role of MPs to EFOMP Governing and Advisory Committees

<p>Coordination⁷:</p>	<p>The main connection within EFOMP is the Scientific Committee. However, due to the transversal nature of the proposed SIG, connections with Professional matters, Education and training and European matters will be established.</p>
<p>Founding Members:</p>	<ul style="list-style-type: none"> • Timo De Bondt, Belgium • Jani Saunavaara, Finland • Evelina Lammentausta, Finland • Ioannis Seimenis, Greece • Ioannis Tsougos, Greece • Michael Kelly, Ireland • Simone Busoni, Italy • Lorenzo Nicola Mazzoni, Italy • Claudia Testa, Italy • Jose Ramón Chillerón, Spain • Cormac McGrath, UK • John McLean, UK

Legend

- 1) **Name of SIG**
- 2) **Parent Committee(s)** - Relevant EFOMP Committee. If more than one parent committee is listed, the FIRST listed will be the official parent committee.
- 3) **Keywords** - include at least 3 keywords.
- 4) **Rationale** - What is the justification and need for the proposed SIG.
- 5) **Target audience** - e.g. Medical Physicists, Vendors.
- 6) **Expected outcome** - Description of the relevant results expected from the SIG.
- 7) **Collaborations** - Specify if there should be a coordination or collaboration with other EFOMP Committees, WGs, SIGs and/or scientific organisations.