

Intro to P2730

RAS Strat. Stand. Meeting
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IAB for RAS Standardization

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International Organization for Standardization

ISO/TC 299 JWG 9, 35, 36; **Joint WG on Standard for Medical Robot Safety**

- Delegate of the Hungarian Standards Institution (MSZT)

IEEE RAS standing committee for standardization

- **IEEE - 1872: Standard for Ontologies for Robotics and Automation**
- IEEE P7000: part of the IEEE Global Initiative
- IEEE P7007: Ontological Standard for Ethically Driven Robotics and Aut. Systems

EURobotics aisbl

- Topic Group—Standardisation (Gurvinder Virk, Paolo Barattini)

IEEE P2730

- Classification, Terminologies, and Definitions of Medical Robots
- Scope: „The standard specifies the category, naming, and definition of medical robots.“
- Managed by: Medical Robots Working Group
- PAR approved 8 March, 2018
- Sponsored by
 - IEEE Engineering in Medicine and Biology Society (EMB/Std Com)
 - Standards Committee
 - IEEE RAS (joined Sept 2018)

Members

- **Chair: Jia ZHENG (NIFDC)**
- **Vice chair: Kai XU (Shanghai Jiaotong University)**
- **Secretary: Yuan XING (Tianjin University)**

ENTITY based standard!

- China National Food and Drug Control
- Imperial College London
- Tianjin University
- Shanghai Jiaotong University
- Senses Global Corporation
- Based on the PAR: 8 entities are expected to be members

Meetings

- <http://sites.ieee.org/sagroups-2730/>
- **Face to Face**
 - 20 April 2018, Beijing
 - 05-06 June, 2018, Beijing
 - 24 October, 2018, Beijing

- Planned e-meetings

Current status

- Changing the title: „Medical electrical equipment employing robotic technology terminology and classification”
- Changing the scope to match
- Provide the definition of “Robot” for further discussion
- Look out for parallel activities
- Attract more members
- Serve the purpose: „Harmonization of the classifications and definitions on medical robots”

Why do we care?

- Perfect example
 - the need of IEEE level coordination of robotic standards
 - Define relation to other SDOs
 - Strategy to resolve parallelisms
 - Showing the need of positioning IEEE standards
 - Define required international coverage
 - Define required industrial support