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

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/StdS 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