SESSION 1. GENERAL ASPECTS OF EMF EXPOSURE AND REGULATIONS

- Scientific background to the ICNIRP guidelines and the EU directive on EMF - Mailla Hietanen, FIOH, Finland
- The EU Directive for occupational exposure to EMF: its purpose and its role in working life - Georges Herbillon, European Commission
- Time- and exposure level-dependent approach to workers protection against EMF harmful exposure, worked out in Poland - Jolanta Karpowicz, CIOP-PiB, Poland
- Precautionary measures for EMF exposures: justification and effectiveness - Paolo Vecchia, ISS, Italy
- New data on electric current perception challenge safety limits - Norbert Leitgeb, Graz University of Technology, Austria
- Protection from indirect effects due to electromagnetic interference - Paolo Rossi, Rosaria Falsaperla, ISPESL, Italy
- EMF field characteristics and needs for exposure assessment techniques - Jolanta Karpowicz, CIOP-PiB, Poland and Kjell Hansson Mild, NiWL, Sweden

SESSION 2. INSTRUMENTATION AND TECHNIQUES FOR EXPOSURE ASSESSMENT

- Instrumentation for EMF exposure assessment - Krzysztof Gryz, CIOP-PiB, Poland
- Principles of Quasi-static Electromagnetic Dosimetry - Daniele Andreucetti, IFAC-CNR, Italy
- Principles of Electromagnetic Dosimetry and SAR evaluation for exposure to RF and MW - Luca Catarinucci, University of Lecce, Italy

SESSION 3. OCCUPATIONAL EXPOSURE TO EMF IN VARIOUS SETTINGS

- Sources for ELF, VLF, RF in offices - Monica Sandström, NiWL, Sweden
- Occupational exposure to power frequency fields in some electrical transformation stations in Romania - Cristian Goiceanu, Razvan Danulescu IPH, Romania
- Frequency- and time-domain assessment of EMF existing in the vicinity of electric power installations - Krzysztof Gryz, CIOP-PiB, Poland
- Assessment of magnetic field exposure from EAS devices and metal detectors - Kari Jokela, STUK, Finland
- Magnetic field near electrical welding equipment - Kjell Hansson Mild, NiWL, Sweden
- Magnetic field exposures from induction heaters - Philip Chadwick, MCL, UK
- EMF near plastic welding and glue drying machines - Olle Stensson, NiWL, Sweden
- Electromagnetic fields in the electrochemical industry - Eduardo Figueroa-Karlström, NiWL, Sweden
- EMF exposure assessment of railways systems’ workers: the experience in Italy - Paolo Rossi, Rosaria Falsaperla, ISPESL, Italy
- High performance FDTD for human-antenna interaction problems in the near field - Luca Catarinucci, University of Lecce, Italy
- Numerical techniques for quasi-static electromagnetic dosimetry - Daniele Andreucetti, IFAC-CNR, Italy
- How to Determine Compliance with the Directive's Exposure Limit Values (ICNIRP Basic Restrictions) for Electric Welding - Yngve Hamnerius, Sweden
- A 3D approach to numerical dosimetry in quasi-static conditions: problems and example of solutions - Nicola Zoppetti, IFAC-CNR, Italy
- Analysis of EMF hazards in the vicinity of dielectric heaters - results of measurements and numerical simulation with various methods – Krzysztof Gryz, Jolanta Karpowicz, Marcin Molenda, Patryk Zadrzynski, CIOP-PiB, Poland, Andrzej Więckowski, Ernest Mielenczek, Warsaw University of Technology, Poland
- High performance FDTD for human-antenna interaction problems in the near field - Luca Catarinucci, University of Lecce, Italy
- Development of flexible human voxel models for representation of exposure in complex posture condition - Carla Malacarne, ITC-IRST, Trento, Italy
- Modelling of human body with metal implant exposed to the magnetic field - Bartosz Sawicki, Jacek Starzyński, Stanisław Wincenciak, Warsaw University of Technology, Poland

SESSION 4. EMF EXPOSURE ASSESSMENT AND EU DIRECTIVE PRACTICAL IMPLEMENTATION – ROUND TABLE

- EMF-NET – scientific advice for practical guide for workers EMF exposure assessment (activities of EMF-NET MT-2) - Jolanta Karpowicz, CIOP-PiB, Poland
- CENELEC activities related to the occupational EMF directive - Philip Chadwick, MCL, UK, CENELEC
- Participants’ presentations and open discussion

SESSION 5. PROBLEMS AND PERSPECTIVES FOR COMPUTATIONAL DOSIMETRY OF WORKERS EXPOSED TO EMF

- EMF-NET activities focused on computational dosimetry practical implementation for workers EMF exposure assessment - Paolo Rossi, ISPESL, Italy
- Numerical techniques for quasi-static electromagnetic dosimetry - Daniele Andreucetti, IFAC-CNR, Italy
- Analysis of EMF hazards in the vicinity of dielectric heaters - results of measurements and numerical simulation with various methods – Krzysztof Gryz, Jolanta Karpowicz, Marcin Molenda, Patryk Zadrzynski, CIOP-PiB, Poland, Andrzej Więckowski, Ernest Mielenczek, Warsaw University of Technology, Poland
- High performance FDTD for human-antenna interaction problems in the near field - Luca Catarinucci, University of Lecce, Italy
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