Candidate statement
For the election of MPD Spokesperson

Adam Kisiel
Warsaw University of Technology, Poland

Curriculum Vitae

- Age: 42 years
- Nationality: Polish
- Citizenship: Polish
- Employment: Nuclear Science Division, Faculty of Physics, Warsaw University of Technology
- Position: associate professor
- Member of the STAR (since 1999) and ALICE (since 2004) Collaborations, as well as MPD and BM@N

- 2004: PhD (WUT)
- 2011: Habilitation (WUT)

- 2007-2009: post-doc at Ohio State University (CERN)
- 2009-2011: Research Fellow at CERN
- 2011-2012: assistant professor at WUT
- 2012-present: associate professor at WUT

Scientific interests

- Experimental study of heavy-ion and elementary collisions in the relativistic energy regime (STAR and ALICE Collaboration)
  - Particle correlations and fluctuations, especially two-particle correlations at low relative momentum (femtoscopy)
  - Measuring strong interaction parameters for pairs including baryons and mesons with strangeness
  - Bulk properties of the created matter, including collective flow and particle production, event-by-event fluctuations
  - Comparison of small and large systems (pp, pPb, dAu, AuAu, PbPb)
  - Signatures of phase transition and phase diagram of strongly interacting matter
- Phenomenological models of particle production (THERMINATOR)
- NICA and MPD is a perfect next step in studying QCD

Organizational experience

- Leader of the Heavy-Ion Reaction Group at WUT (group focuses on experimental heavy-ion collision study in STAR, ALICE, NA49/NA61 SHINE)
- Group Leader for the ALICE WUT group
- Served as a convenor of the Femtoscopy Physics Analysis Group (ALICE) and HBT PWG (STAR)
- Member of the ALICE Editorial Board (one term)
- Leader of the NICA-PL Consortium
- Leader of the Platform for High Energy Physics Experiments at WUT
- Coordination of the establishment of the Tier-2 level WLCG computing cluster at WUT
- Secured significant funding for participation of WUT in STAR and ALICE
- Organization of several scientific conferences (up to 150 participants)

Teaching and team development

- Several years of experience in teaching at the University level
- Supervisor of several theses at all levels: engineering (bachelor), masters, PhD
- Supervised 6 concluded PhD theses, 6 more currently ongoing (including theses connected to MPD), 5 theses in CERN Doctoral student programme (3 concluded), 2 PhD students at JINR
- Leadership and creation of the research group at WUT for participation in ALICE and MPD
- Organization and supervision of summer student practices at CERN (up to 10 students per year)
- Initiator of the Team for the Future of NICA program (JINR-WUT agreement on student internships)

Tasks for the spokesperson

- Representative of the Collaboration in scientific, technical, computing and managerial issues of design, construction and operation of the detector
- Regular communication with the VBLHEP Director
- Publication of scientific results
- Appoint committees and task forces – creation of the organizational structure for scientific activities, possibly others (computing, management, technical, collaboration management)
- Establishment of efficient communication and collaboration standards within the Collaboration, as well as with the host laboratory, the NICA management and other NICA experiments

Challenges for the Collaboration

- Organic growth of the Collaboration, in terms of new institutions and growing the already existing teams
- Actively strengthen and develop the physics case for MPD
- Ensuring consistency of the physics goal and detector preparation
- Organizational support and scientific basis for applications for funding of MPD activities
- Ensuring adequate contribution from members of the Collaboration to the scientific activity of MPD
- Continuous development and verification of readiness of the physics analyses (theory, analysis code, computing infrastructure)
- Expanding the visibility of the MPD Collaboration and physics case