

Programme "Medical Imaging"

Curators of programme: **Hans-Peter Meinzer**, German Cancer Research Center, Germany;

July 20, Friday, MEPhI, conference hall, 3rd floor		July 21, Saturday		July 22, Sunday		July 23, Monday	
9.00-10.00	Registration	10.00-17.00	Self-preparation of essays	12.00-16.00	Moscow overview bus excursion	10.00-14.00	Excursions to the laboratories of MEPhI
10.00-10.20	Opening ceremony						
10.20-11.00	Hans-Peter Meinzer (German Cancer Research Center, Germany) Introduction lecture						
11.00-11.40	Andrey Bashkov (Federal Scientific and Clinical Center of Federal Medical Biological Agency, Russia) 3D modeling of the liver in the planning of surgical interventions						
11.40-12.00	Break						
12.00-12.40	Franciszek E. Binczyk (Silesian University of Technology, Poland) Convolutional Neural Networks						
12.40-13.20	Natalia Rubtsova, Aleksandr Khalimon (National Medical Research Radiology Center, Russia) 3D CT-angiopulmonography in the planning of VATS (video-assisted thoracoscopic surgery) anatomical lung resection						
13.20-15.00	Lunch						
15.00-15.40	Igor Pronin (Burdenko Neurosurgery Institute)						
15.40-16.20	Klaus Maier-Hein (German Cancer Research Center, Germany) Medical Image Computing and Machine Learning						
16.20-16.40	Break						
16.40-17.20	Elena Zvezdkina, A. Troitskiy, A. Kedrova, V. Lesnyak (Federal Scientific and Clinical Center of Federal Medical Biological Agency, Russia) Whole-body Magnetic Resonance Imaging for the primary staging of oncological processes						
17.20-18.00	Lena Maier-Hein (German Cancer Research Center, Germany) Surgical Data Science						