

The presented schedule is preliminary and may change for reasons beyond the control of the organizers.

[Download shared materials \(datasets, images, etc.\)](#)

Day	1.07	2.07	3.07	4.07	5.07
9.00-9.30	International Summer School on Deep Learning Opening Ceremony Jacek Ruminski, Gdansk University of Technology, Poland Deep learning - recent achievements and future perspective				
9.30-10.10	Keynote 1 Ralph Hinsche, NVIDIA, Germany Accelerating Machine Learning with RAPIDS and DGX-2 Presentation Movie	Keynote 3 Sebastian Raschka University of Wisconsin-Madison, USA, Convolutional Neural Networks for Predicting and Hiding Personal Traits from Face Images Presentation Movie	Keynote 5 Hui Yu, University of Portsmouth, UK Deep Learning for Depth Estimation and 3D Reconstruction Presentation Movie	Keynote 7 Daniel Korzekwa, Amazon Interpretable Deep Learning Model for the Detection and Reconstruction of Dysarthric Speech Presentation	Keynote 9 Casey S. Greene, University of Pennsylvania, USA The next challenges for deep learning in biology and medicine Presentation Movie
10.10-10.40	Coffee break				



10.40-12.10	Hands-on workshop 1 Adam Paszke Pytorch how to use and what's the fuss about? Presentation Materials Movie	Hands-on workshop 4 Sebastian Raschka, University of Wisconsin-Madison, USA A tutorial on neural networks for ordinal regression Presentation Materials Movie	Hands-on workshop 7 Alicja Kwasniewska, Gdansk University of Technology, Poland and Intel Corporation, USA Enhancing image resolution with Deep Learning Presentation Materials Movie	Hands-on workshop 10 Daniel Korzekwa, Adam Gabrys Amazon Reconstruction and adaptation of a temporal signal with variational auto encoders (VAE) in MXNet Presentation Materials	Hands-on workshop 13 Casey S. Greene, University of Pennsylvania, USA Continental Breakfast Included: how researcher degrees of freedom affect the evaluation of methods Presentation Materials Movie
12.15:12:55	Keynote 2 Krzysztof Ciuszynski CNN tips to get the job done Presentation Movie	Keynote 4 Rafał Scherer, Smartvide, Poland Computer Network User Profiling by Machine Learning Presentation Movie	Keynote 6 Dongbing Gu University of Essex, UK, Visual SLAM from Geometry to Deep Learning Presentation Movie	Keynote 8 Daniel Pressel Interactions, Transfer Learning Techniques, Architectures and Applications for NLP Presentation Movie	Keynote 10 Alexandr Kalinin, University of Michigan, USA Recent Advances in Biomedical Image Segmentation Using Deep Learning Presentation Movie
12.55-14.00	Lunch				



14.00-15.30	Hands-on workshop 2 Adam Nadolski, Amazon Machine learning at Amazon Web Services cloud Presentation	Paweł Morkisz, AGH, Poland, NVIDIA Ambassador Fundamentals of Deep Learning Computer Vision (parallel tutorial; separate registration required, more information soon)	Hands-on workshop 5 Michał Karzynski, Intel Technology Poland Neuroevolution Presentation Materials Movie	Hands-on workshop 8 Alfredo Canziani, NYU Courant Institute of Mathematical Sciences, USA part 1 Prediction and Policy-Learning Under Uncertainty Presentation Materials Movie	Hands-on workshop 11 Daniel Pressel Interactions, Applied Transfer Learning for NLP Presentation Materials Movie	Hands-on workshop 14 Alexandr Kalinin, University of Michigan, USA Medical Image Segmentation with Deep Learning in PyTorch Presentation Materials Movie
15.30-16.00	Coffee break					Closing Ceremony
16.00-17.30	Hands-on workshop 3 Maciej Szankin, Intel Corporation, USA, Accelerating your Deep Learning on CPU Presentation Materials Movie	Paweł Morkisz, AGH, Poland, NVIDIA Ambassador Fundamentals of Deep Learning Computer Vision (parallel tutorial; separate registration required, more information soon)	Hands-on workshop 6 Michał Lukaszewski, Intel Technology Poland How to make it faster and more accurate - practical attempt to inference. Movie	Hands-on workshop 9 Alfredo Canziani, NYU Courant Institute of Mathematical Sciences, USA part 2 Prediction and Policy-Learning Under Uncertainty Presentation Materials Movie	Hands-on workshop 12 Roberto Barra-Chicote, Amazon Alexa's Voice: Neural TTS Technology in Action	
Evening Meetings and Activities	17.30-18.30 Networking and Pierogi Party		17.30-20.00 Deep Learning Meetup w/ Amazon			
			18.15-19.00 Networking and Pizza Party	18.30- Welcome Reception Dinner	18.30- Gdansk sightseeing	

