The Workshop on Anderson Localization in Topological Insulators took place at the Center for Theoretical Physics of Complex Systems, Daejeon on September 5 – 9, 2016. Its 26 invited talks covered a wide range of theoretical and experimental developments in the theory of interacting disordered fermionic systems with special emphasis on topological insulators. The topics of the talks and Poster session included:

- Disorder driven Anderson transition
- Magnetic impurities and ballistic to localized regime crossover
- Robustness of topological insulators against random multi-particle backscattering
- Spin-polarized electron injection into topological insulators
- Disorder in fractional topological insulator

Among the speakers were the leading experts in the field of topological insulators and Anderson localization. We will mention just a few outstanding talks presented at our Workshop:

- Ravindra N. Bhatt (Princeton, USA) - Disorder Driven Fractional Quantum Hall Transitions
- Rosario Fazio (ICTP, Italy) - Signatures of many-body localisation in the dynamics of two-sites entanglement
- Yuval Gefen (Weizmann, Israel) - Spontaneous Time Reversal Symmetry Breaking in Topological Insulators
- Alex Kamenev (Minneapolis, USA) - 1D Topological Anderson Insulators
- Sergey Kravchenko (Northeastern, USA) - Anderson Localization and De-Localization in 2D
- Alexander Mirlin (KIT, Germany) - Anderson (de-)localization on random regular graphs and in many-body systems with power-law interaction

56 participants took active part in the lectures and discussions. New collaborations initiated as a result of this Workshop. As two examples we mention research on topological effects in doped graphene by Cheianov (Leiden) and Sharapov (Kyiv), and metal–insulator transition in strongly interacting two-dimensional systems by Kravchenko (Boston) and the organizers.

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