

**Seminar**  
of the Department of complex matter F7

**Friday, 22.6.2018 at 13:00,**  
Seminar room F7

**Spectrally resolved and three pulse  
pump-probe spectroscopy in strongly  
correlated organic conductors**

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The series of  $k$ -(BEDT-TTF) $2X$  ( $X$ : anion molecules) has attracted much interest in fundamental physics related with strong electron correlation and application of devices because of a rich variety of electronic phases under equilibrium such as the Mott insulator and superconductor, as well as nonequilibrium related with photoinduced phase transition. In my long-term stay in JSI, spectrally-resolved pump probe spectroscopy was carried out to investigate superconducting phase in this system. On the other hand, three-pulse pump probe spectroscopy was applied for photoinduced phase separation. In the seminar, I will show the obtained results briefly and discuss in detail.

The lecture will be held in English.  
Cordially invited to attend.

