

## Plasma structures for coherent acceleration

*Friday 16 October 2015 11:20 (20 minutes)*

By using our full electromagnetic relativistic particle-in-cell (PIC) simulation code equipped with ionisation module, we simulate the laser fields dynamics in the periodic structures of different materials. We study how the dynamic ionization influences the field structure.

**Author:** PUKHOV, Alexander (University of Dusseldorf)

**Co-author:** Mr LUU-TANH, Phuc (University of Dusseldorf)

**Presenter:** PUKHOV, Alexander (University of Dusseldorf)

**Session Classification:** Acceleration with micro and nanostructures

**Track Classification:** Presentations