

## Monday 16 morning

11:00 **A. De Giacomo**: introduction and information

*Chair: E. Barmina "PLAL Applications"*

11:05 **V. Amendola**: Formation mechanisms and applications of magnetic-plasmonic alloy nanoparticles obtained by laser ablation in liquid.

11:30 **A. De Bonis** : "Transition metal carbide nanoparticles by femtosecond and nanosecond laser ablation in liquid"

11:55 **N. Cioffi**: "Laser ablated vs electrosynthesized nanoantimicrobials"

12:20 **E. Fazio**: "PLAL synthesized metal@metal oxide nanoparticles loaded in polymeric matrix for drug delivery and biosensing applications"

12:45 Lunch Break

## Monday 16 afternoon

*Chair: A. De Giacomo "Plasma"*

15:00 **A. Vogel**: "Photographic investigations of plasma formation in bulk dielectrics and during surface ablation"

15:50 **N. Tarasenko**: "Plasma analysis at laser ablation synthesis of NPs in liquids"

16:15 Break

16:45 **E. Barmina and G. Shafeev**: "Laser breakdown of aqueous solutions with nanoparticles: roles of nanoplasma and aggregates"

17:10 **F. Taccogna** : "On the growth mechanism of nanoparticles in plasma during pulsed laser ablation in liquids"

17:35 **M. Dell'Aglia**: "On the role of plasma phase in PLAL"

18:00 **S. Barcikowski**: "Laser synthesis dissemination hurdles"

20:00 Dinner

## Tuesday 17 morning

*Chair: M. Dell'Aglia "Different perspectives"*

10:00 **G. Compagnini**: "Lasers processing of nanomaterials : environment, energy and sensing"

10:25 **M. Lau**: "Continuous Laser Fragmentation – from research to industrial applications"

10:50 **G. Palazzo**:" "naked" metallic nanoparticle as model system of colloidal stability"

11:15 **D. Amans**: "Chemistry in plasma: Time-resolved LIBS-LIF experiment"

11:40 **A. De Giacomo**: "Nanoparticle Enhanced Ablation (NELIBS)"

12:10 Final discussion