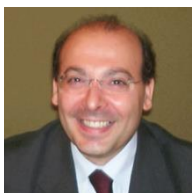
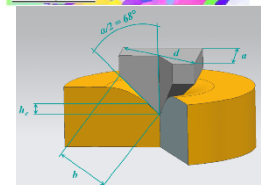
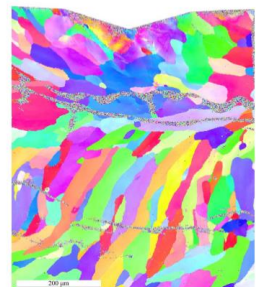
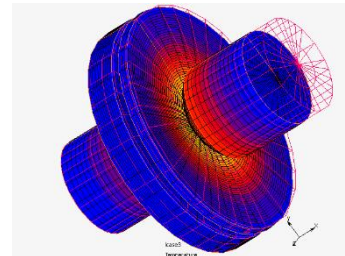




Modelling and Design of Materials and Processes

Research Topics

- Materials and Process Multiphysics: experimental and modelling of industrial process.
- Solid state capacitor discharge welding (SS-CDW) of similar and dissimilar materials for automotive and aerospace applications
- Capacitor discharge sintering of nanopowder
- Spark Plasma Sintering of metals and ceramics.
- Electron beam manufacturing (EBM) of TiAl
- Laser additive manufacturing of Ti-6Al4V and AIS316
- Instrumented indentation (nano, macro) and small punch tests (experimental and modeling)
- Fabrication of advanced cutting tools.



Contact

Prof. Giovanni Maizza
Tel. +39 011 090 4632
maizza@polito.it

Mobile +39 3398689987