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### **I. Biography:**

Charles MANIERE has completed his PhD at the age of 28 years from the University of Toulouse on the modeling of Spark Plasma Sintering; from 2016 to 2018 he has completed a 2 years PostDoc at the San Diego State University with Prof Eugene Olevsky who is the co-founder of the “continuum theory of sintering” Charles’s used during his PhD. During this PostDoc, Charles develops advanced multiphysics models for microwaves sintering and flash sintering, and additive manufacturing. In 2018, he has succeeded the selective entry of CNRS and starts his new CNRS assistant scientist position (chargé de recherche) at the laboratory CRISMAT from CAEN (France) where he is developing his activity on sintering.

### **II. Presenting author details**

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