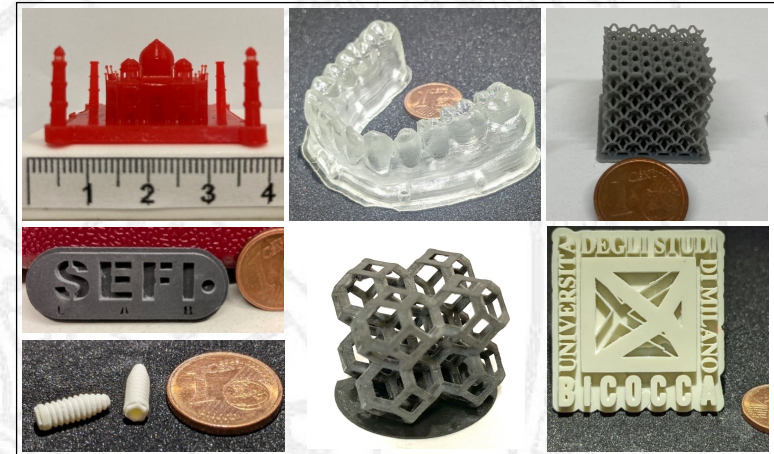
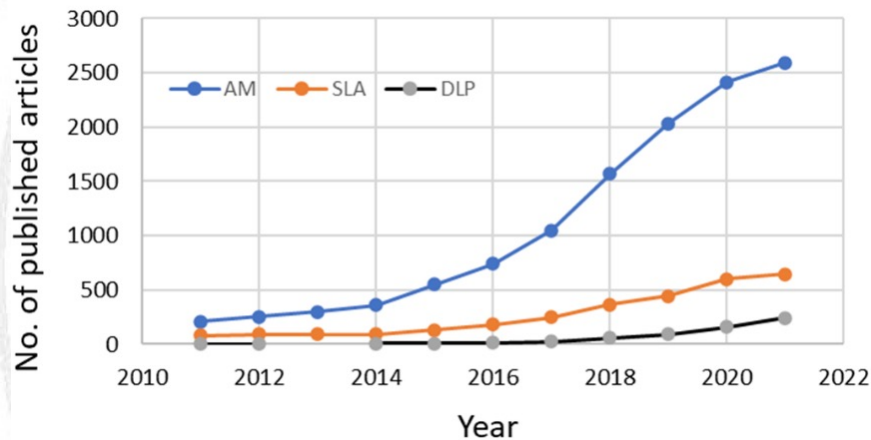


## Additive Manufacturing by Digital Light Processing

Additive manufacturing, 3D printing, rapid prototyping, rapid manufacturing, layer-oriented manufacturing, digital fabrication: many names are used to name a large family of approaches alternative to conventional subtractive fabrication methods. During the talk, Carlo Antonini and Rajat Chaudhary will present the most recent developments in one of the youngest children of such family, Digital Light Processing (DLP). DLP has been initially developed for pure resins and now has attracted attention for its potential in printing ceramic and metal-loaded slurries, to produce high resolution geometries for a wide range of applications. The speakers will discuss the peculiarities of DLP compared to other techniques, and discuss the properties of materials, including resins and particle-laden slurries, that can be printed by DLP, including some the basic theoretical aspects of light-matter interaction that can guide the manufacturing process development and optimization.



**Prof. Carlo Antonini**  
**Mr. Rajat Chaudhary (PhD Candidate)**  
*Department of Materials Science*  
University of Milano-Bicocca

**January 17, 10.30 am (sharp)**  
**Meeting Room (ground floor)**  
**DICAr – Hydraulics section**  
Via Ferrata, 3 – Pavia