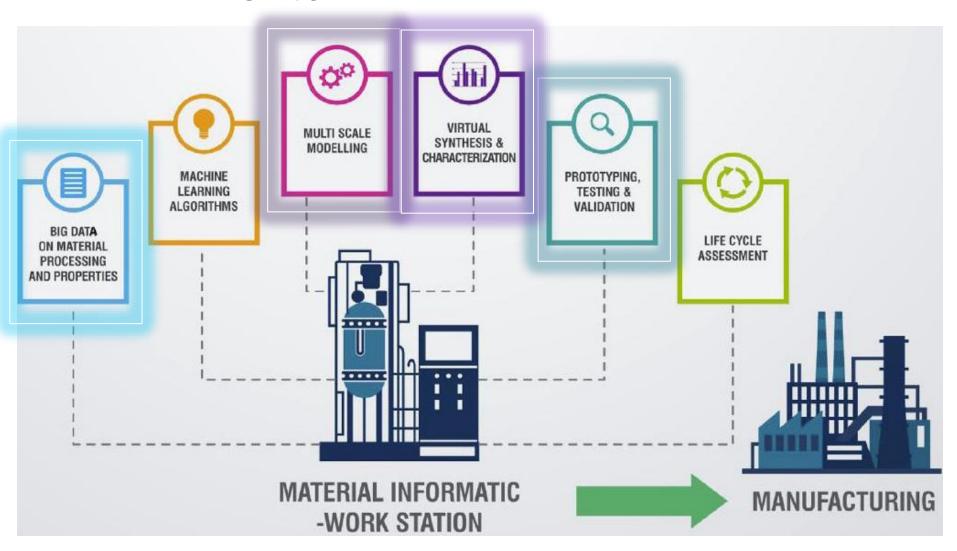


Dipartimento di Scienze e Metodi dell'Ingegneria

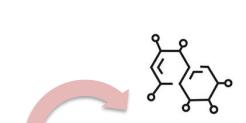
Material Design and Optimization in Digital Manufacturing

Curriculum Digital Manufacturing

MATERIALS 4.0



COURSE MAIN TOPICS



Materials Fundamentals

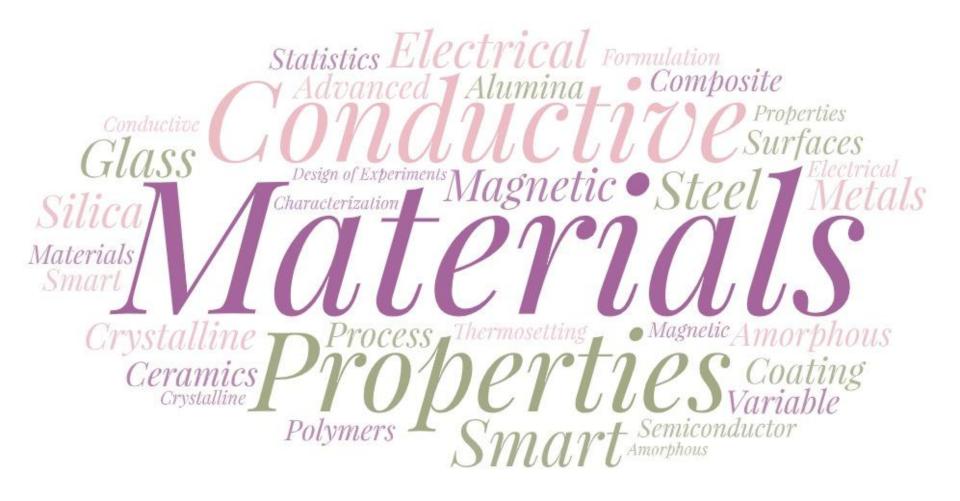
Software Simulation



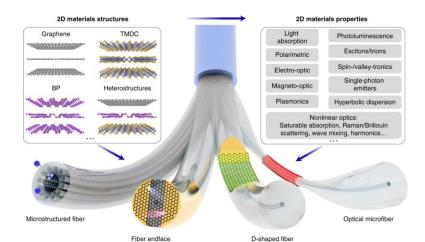


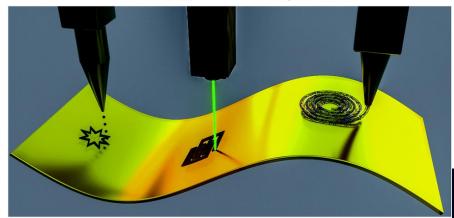
Additive Manufacturing

COURSE MAIN TOPICS



SOME EXAMPLES...







Validate model Factors & ranges

Verify predictions

The DoE process

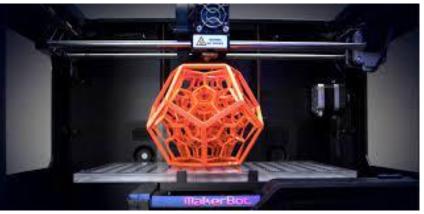


Model data



Check results

Carry out & analyse



COURSE FEATURES

The course will be in English language, and are planned:

- ✓ Exercises through statistical software;
- ✓ Seminars by experts or visits in factories;
- ✓ Group projects on specific topics related to the course.



Final Exams

Oral presentation of the group project (max 2/30 point)

+

Oral exam with at least 3 questions

Thanks for your attention

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