

SEMINAR

## Università degli Studi di Pavia Computational Mechanics & Advanced Materials Group - DICAr





## Crash course in heart surgery for engineers

EUROPEAN SOCIETY OF

This seminar has as objective to give a basic understanding of how a typical cardiac surgery procedure is performed. We will look at the team involved and their respective roles, and the tools they have at their disposal. Special focus will be on the heart-lung machine and its use.

Technology in all aspects of heart surgery is constantly evolving and as a consequence new procedures are also developed. This evolution requires engineers with a good understanding of the needs and capabilities of surgeons and their procedures.



Stijn Vandenberghe, PhD

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