

Conference  
23rd November  
2017  
9 am – 7 pm

Nancy  
National School  
of Architecture,  
Boffrand campus

# Building with composites for architecture, what is the state of affairs today?

## Speakers

Philippe Bancilhon, architect city planner and PhD student in the history of contemporary architecture at the Sorbonne University, Paris I;  
Luc Boulais, architect, founder of Artificial Architecture;  
Jean-François Caron, director of research, Navier Laboratory, École des Ponts ParisTech;  
Pierre Colleu, group head, Impact Design;  
Abdesselam Dahoun, professor, director of the Science and Materials Engineering Department, École des Mines de Nancy;  
Laurent Destouches, engineer, founder of Solutions Composites;  
Samuel Durand, senior structural engineer & manager, Méca;  
Raphaëlle Saint-Pierre, journalist and architectural historian;  
Laurent Steimetz, chief executive officer of Compose Tech Industrie;  
Pamela Voigt, architect and architectural historian;  
Joost Vos, architect, Benthem Crouwel Architects.

The first conference in the "Building with composites for architecture" cycle 2017-2021, initiated and organised by Christelle Chalumeaux, Lecturer-Researcher, LHAC, ÉNSA Nancy, supported by the Ministerial Office of Architectural, Urban and Landscape Research (BRAUP), Orgagec, Artificial Architecture.

École Nationale Supérieure  
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1, avenue Boffrand 54000 Nancy, France.

## Programme

9–9.30 am *Welcome Breakfast*

### 9.30–9.45 am **Introduction**

9.30–9.35 am Lorenzo Diez, Director, ÉNSA Nancy, welcome speech  
9.35–9.40 am Hélène Vacher, Scientific Director, LHAC and Gilles Halin, Scientific Director, MAP-CRAI  
9.40–9.45 am Christelle Chalumeaux, "Composites and architecture in France in the context of teaching institution and architectural research"

### 10 am–12.45 pm **Axis 1. History: processes, materials, built examples**

10–10.30 am Pamela Voigt, "Lightweight Plastic Architecture of the 20<sup>th</sup> century"  
10.30–11 am Raphaëlle Saint-Pierre, "The composite bubbles of Pascal Häusermann, Claude Häusermann-Costy, Jean-Louis Chanéac and Antti Lovag in the 1960s and 1970s in France"  
11–11.30 am Philippe Bancilhon, "Two pioneers of composites in France: Jean Prouvé and Jean Benjamin Maneval"

11.30–11.45 am *Coffee break*

11.45 am–12.15 pm Laurent Steimetz, "Evolutions in the transformation processes of composite materials"  
12.15–12.45 pm Round table discussion in the presence of all the axis 1 speakers

### 12.45–2 pm **Lunchtime break**

### 2–4.45 pm **Axis 2. Contemporary building: testimonials, feedbacks**

2–2.30 pm Pierre Colleu, "Construction of a composite house in 1984 in Crozes Hermitage"  
2.30–3 pm Joost Vos, "Architectural freedom!"  
3–3.30 pm Laurent Destouches, "A high performance innovative construction system"  
3.30–4 pm Luc Boulais, "Composites for structural use: examples of experimental composite design realisation in urban densification"

4–4.15 pm *Coffee break*

4.15–4.45 pm Round table discussion in the presence of all the axis 2 speakers

### 4.45–5.45 pm **Axis 3. Architectural design with composites: which specificity?**

4.45–5.15 pm Samuel Durand, "The specificities of design using composite materials in the building industry, an engineering consultants point of view"  
5.15–5.45 pm Abdesselam Dahoun, "Design elements of a composite structure"

### 5.45–8.45 pm **Axis 4. Challenges, and the state of play of a structural use of composites today (advances, barriers, limits and prospects)**

5.45–6.15 pm Jean-François Caron, "Structural composite entered the construction game"  
6.15–6.45 pm Round table discussion in the presence of all the axis 3 and 4 speakers

6.45–7 pm **Conclusion**