

**Invitation for the semesterend presentations
on Wednesday, 17th May 2017 1200-1800
ETH Zentrum, LEE E 308****A. Electro-Mechanical Material Systems**

12:00 - 12:20	Dominic Jacob	ST	Experimental Investigation of an Electromechanical Internally Resonating Metamaterial	Jascha Schmied
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B. Aerospace Structures

12:20 - 12:40	Gian Jörimann	ST	Morphing Exploitation for Airborne Wind Energy Applications	Giulio Molinari
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12:40 - 13:00	Marco Schneider	ST	Experimental Characterization of Periodic Chiral Structures	Falk Runkel
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13:00 - 13:20	Rafael Vincenz	ST	Airfoil camber morphing exploiting chiral structures: Manufacturing and Testing	Falk Runkel
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13:20 - 13:40	Dimitri Wahlen	ST	Airfoil camber morphing exploiting chiral structures	Falk Runkel
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13:40 - 14:00	Break / Time for Discussion			
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14:00 - 14:20	Jonas Jonasson	ST	Design and sizing of a spherical high-pressure composite tank for a small-satellite launch vehicle	Christoph Karl
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14:20 - 14:40	Gleb Kopylov	ST	Detailed design and analysis of a non-pyrotechnic stage separation system for a small-satellite launch vehicle	Christoph Karl
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14:40 - 15:00	Arthur Girard	ST	Design of Truncated Conical Composite Structures for Launch Vehicle Applications	Christoph Karl
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15:00 - 15:20	Alexander Rusch	ST	Numerical modeling and performance assessment of sparkjet actuators	Giulio Molinari
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15:20 - 15:40	Daniel Gunz (Video?)	ST	Numerical Design Optimization of Compliant Load-Carrying Composite Crutch Structure	Giulio Molinari
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15:40 - 16:00	Break / Time for Discussion			
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C. Composite Materials and Processing

16:00 - 16:20	Audrey Blondé	ST	Numerical Modeling of Dip Coating for the Fabrication of Bicomponent Fibers	Christoph Schneeberger
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16:20 - 16:40	Dominik Kläusler	ST	Characterization of Hybrid Yarns for Press Processes	Christoph Schneeberger
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D. Computational Structural Mechanics / Other

16:40 - 17:00	Adam Lucjan	ST	CFD study of a pVAD with a corrugated membrane	Christian Loosli
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17:00 - 17:20	Jonas Abeken	ST	CFD study of a elliptical shaped pulsatile ventricular assist device	Christian Loosli
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17:20 - 17:40	Vinzenz Widmer	ST	Manufacturing concepts for corrugated laminates	Gerald Kress / Daniel Filipovic
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17:40 - 18:00	Bapst Curdin	ST	Implementation of Synchronized Voltage Switching Techniques on EBL-based Vibration Damper	Oleg Testoni
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