

## PROGRAMME

### Flanders Make seminar: *Motion Products*

Thursday 9 May 2019  
BluePoint Antwerpen, Filip Williotstraat 9, 2600 Berchem

**12u30 Lunch**

#### *Thermal management of drivetrains*

**13h30 Welcome & introduction**

*Marc Engels, COO, Flanders Make*

**13h35 The potential of Wide Band Gap and Multi Port Convertors**

*Omar Hegazy, Professor, Flanders Make/VUB*

**14h10 Thermal advanced characterization of drivetrain components**

*Kurt Stockman, Professor, Flanders Make-EEDT-MP@UGent*

**14h30 How to increase power density of drivetrains with up to 20% by optimal cooling**

*Steven Devos, Project Manager, Flanders Make*

**15h05 Discussion & Conclusion**

*Marc Engels, COO, Flanders Make*

**15h15 Coffee break**

#### *Optimal energy storage in drivetrains*

**15h45 Welcome & introduction**

*Marc Engels, COO, Flanders Make*

**16h50 Mechanical energy storage in a magnetic spring for torque ripple compensation in drivetrains**

*Walter Driesen, Core Lab Manager, Flanders Make*

**16h20 How to optimally combine multiple energy storage technologies in a drivetrain**

*Mats Vande Cavey, Research Engineer, Flanders Make*

**16h50 Energy Management Systems (EMS) for vehicles with an electric variable transmission (EVT)**

*Omar Hegazy, Professor, Flanders Make/VUB*

**17h20 Discussion & Conclusion**

*Marc Engels, COO, Flanders Make*

**17h30 Networking reception**