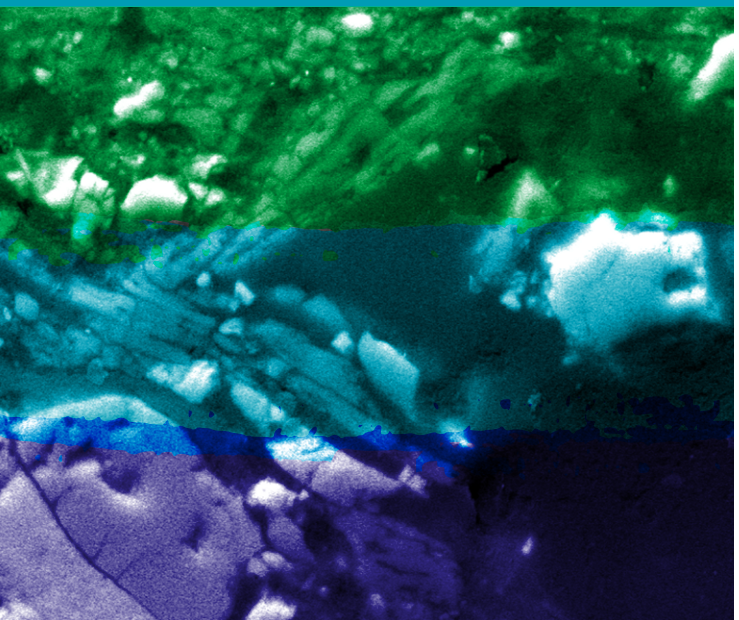
The occasion of this Workshop is the recently started H2020 European Project LOWBRASYS – A LOW environmental impact BRAke SYStem. The main focus of the Project is the development of a novel automotive brake system that will allow a major reduction in particulate matter emission. A strategic role of this task will be played by new materials for pads and discs, for which surface modifications through treatments and coating deposition are other possible approaches.

The Workshop will be an opportunity to share experiences and to discuss the latest achievements in this field, involving researchers and engineers from academia, industry, and research laboratories. Keynote and invited lectures will be presented by international leading scientists. In the program open discussion sessions will be scheduled as important moments to exchange ideas from different disciplines.



Information

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University of Trento
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Lowbrasys2016@unitn.it

www.unitn.it/evento/new-materials-technology-dpbs

Online registration at
www.unitn.it/en/form/events
is requested

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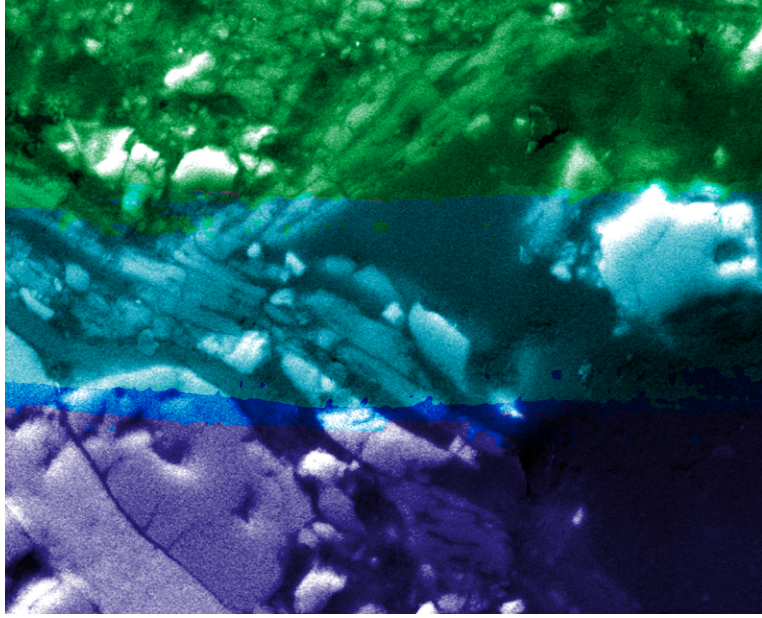
www.lowbrasys.eu



LOW BRA SYS

UNIVERSITÀ DEGLI STUDI DI TRENTO
Dipartimento di Ingegneria Industriale

brembo

NEW MATERIALS AND TECHNOLOGIES FOR DISC-PAD BRAKE SYSTEMS

29-30 September 2016
Trento - Italy

THURSDAY 29.09.2016

9.00-17.00

LOWBRASYS Technical Meeting
attendance for LOWBRASYS researchers only

Grand Hotel Trento - Conference Room
Piazza Dante 20 - Trento

FRIDAY 30.09.2016

9.00-14.30

Workshop New materials and technologies for disc-pad brake systems

Grand Hotel Trento - Conference Room
piazza Dante, 20 - Trento

Workshop detailed program

9.00-9.15

Introduction & Welcome Speech

9.15-10.00

Keynote presentation*: Current automotive friction materials and trend in development future brake lining formulations*
Peter Filip
Southern Illinois University Carbondale, USA

10.00-10.30

Materials for brake systems and emissions: results from the Rebrake project
Ibrahim Metinoz, Vlastimil Matejka
Brembo S.p.A, Italy

10.30-11.00

New raw materials for the Lowbrasys project
Katerina Dedkova
Nanotechnology Centre of VSB - Technical University of Ostrava, Czech Republic

11.00-11.30

New friction materials for the Lowbrasys project
Marcus Morbach
Federal-Mogul Friction Products GmbH, Germany

11.30-12.30 Brunch

12.30-13.00

Invited presentation: *Porous ceramic preforms for MMC brake discs*
Giuseppe Magnani - Enea, Italia

13.00-13.30

LCA and LCCA for brake system technologies
Anna Hedlund Åström
KTH - Royal Institute of Technology, Sweden

13.30-14.00

Dry sliding behavior of HVOF cermet coatings for braking discs
Alessandro Moscatelli
Flame Spray Hungary Kft

Matteo Federici
University of Trento, Italy

14.00-14.30

Open discussion and closing remarks

15.00-17.00

Castello del Buonconsiglio guided tour

Scientific Committee

Katerina Dedkova
Nanotechnology Centre of VSB - Technical University of Ostrava, Czech Republic

Ferruccio Dusci
Flame Spray Hungary Kft

Marcel Mathissen
Ford Research & Advanced Engineering Europe, Germany

Marcus Morbach
Federal-Mogul Friction Products GmbH, Germany

Ulf Olofsson
KTH Royal Institute of Technology, Sweden

Guido Perricone
Brembo SpA, Italy

Andrea Remuzzi
IRCCS Mario Negri Institute for Pharmacological Research, Italy

Francesco Riccobono
Joint Research Centre, Europe

Giovanni Straffelini
University of Trento, Italy

Chen Zhang
Continental, Germany

Organizing Committee

Sara Chinellato
Matteo Federici
Chiara Galletta
Stefano Gialanella
Zakia Madadi
Cinzia Menapace
Giovanni Straffelini