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Within the frame of MITOR Project “Application of graphene to increase machine reliability, safety and efficiency”, I’m glad to invite you to the seminar:

Application of graphene to increase machines reliability and efficiency

H. Wang,

**Nanomaterials and Electronics Group
Massachusetts Institute of Technology MIT**

25th May 2018, h.11:00

**Room Ferrari - Department of Mechanical and Aerospace Engineering
Politecnico di Torino - C.so Duca degli Abruzzi 24, Torino**

Abstract

Graphene is an amazing material, with its exceptional physical properties attracted much interest in a wide field of applications. Nevertheless, the use of graphene as coating material to increase tribological performance of mechanical components is almost unexplored.

In this workshop, the preliminary results of the research project “Application of graphene to increase machines reliability, safety and efficiency” will be presented, focusing on the coating procedures.

The aim of this research project is to investigate the application of graphene as components surface coating, to reduce the coefficient of friction and wear damage, and consequently increase efficiency and reliability of the machines and mechanical systems.

Speaker’s Biography

Haozhe Wang received his B.S. degrees from Shanghai Jiao Tong University, China in 2012. From 2012 to 2015, he joined two dual-master programs between US and China and received his M.S. degrees from Northwestern University (in 2014), Georgia Institute of Technology (in 2015) and Shanghai Jiao Tong University (in 2015). He is now a PhD student with Professor Jing Kong at the Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology. His research interests lies on graphene and boron nitride growths and their applications.

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