



UNIVERSITÀ DEGLI STUDI
DI TRENTO

Dipartimento di Ingegneria Civile,
Ambientale e Meccanica

AVVISO DI SEMINARIO

Il giorno **13 maggio 2019 alle ore 17.00**

presso il Dipartimento di Ingegneria Civile Ambientale e Meccanica
dell'Università degli Studi di Trento
via Mesiano, 77 – Trento

in Aula R2

Mark Edmunds

General Manager

Energy Storage and Mobility Solutions
of Toshiba International Corporation

terrà un seminario su:

**Technologies and developments of heavy duty cycle
storage systems for electric public transport**

Abstract

Electric mobility (e-mobility) has emerged as one of the most promising technological solutions to replace fossil fuels, and has the potential to power most forms of personal and public transport. A range of public transport modes are ripe for electrification including buses, metro trains, trams and ferries. Energy storage on the megawatt scale is a significant technical and economic challenge. This talk aims to discuss important cross-cutting, fundamental materials science and materials chemistry challenges that are applicable to a range of electrochemical technologies encountered in heavy duty cycle storage systems for electric public transport storage. This talk will attempt to highlight the critical materials problems using specific examples and results from recent efforts to reduce the cost and improve the performance of electrochemical energy storage devices.