

PHD TALENT DAY

IL VALORE
DEL DOTTORATO
PER LE IMPRESE
E IL TERRITORIO



UNIVERSITÀ
DEGLI STUDI
DI BRESCIA



con il patrocinio di



CONFINDUSTRIA
Brescia

09:00 – SALUTI E APERTURA LAVORI

CSMT INNOVATIVE CONTAMINATION HUB
UNIVERSITÀ DEGLI STUDI DI BRESCIA
CONFINDUSTRIA BRESCIA

09:20 – PRESENTAZIONE TESI DI DOTTORATO

La trazione elettrica applicata ad un veicolo multimotore: ricerca per la sicurezza attiva e l'efficienza energetica
Emanuele Bonera – *PhD Student DRIMI*

Mechanics and transport in proton exchange membrane fuel cells
Apu Basak – *PhD Student DRIMI*

Efficientamento energetico di caldaie a vapore industriali attraverso l'ottimizzazione fluidodinamica
Alessandro Morelli – *PhD Student DRIMI*

Advanced carbon dioxide thermodynamic cycles for power production
Abubakr Ayub Sheikh – *PhD Student DRIMI*

10:40 – COFFEE BREAK

Predictive diagnostics through machine learning on the injection group of a diecasting machine
Luca Provezza – *PhD Student DRIMI*

Characterisation of microplastics through vibrational spectroscopy techniques
Monika Rani – *PhD Student DRIMI*

Studio ed implementazione di materiali innovativi per la realizzazione di cilindri oleodinamici
Andrea Buffoli – *PhD Student DRIMI*

Modellizzazione dinamica e procedure sperimentali innovative per manipolatori industriali
Roberto Pagani – *PhD Student DRIMI*

Modellistica data-driven per la modellizzazione di sistemi complessi
Roberta Zeziola – *PhD Student DRIMI*

12:30 – Q&A e CONCLUSIONI MATTINATA

12:40 - 14:00 – PAUSA PRANZO

14:00 – APERTURA LAVORI POMERIGGIO

01 aprile 2022
ore 9.00

Progetto del canale di fascio e del sistema bersaglio per la nuova versione della macchina acceleratrice SPES ai Laboratori Nazionali di Legnaro
Lisa Centofante – *PhD Student DRIMI*

Robust 3D scanning and real-time reconstruction techniques in a deep learning framework
Marco Lombardi – *PhD Student DRIMI*

Quantitative analysis of polarization and echo chambers in online debates
Alessandro Galeazzi – *PhD Student DRIMI*

Printed sensors on non-conventional substrates
Edoardo Cantù – *PhD Student T4H*

15:30 - COFFEE BREAK

Characterization and sustainability evaluation of phosphorus recovery from incinerated waste streams
Ario Fahimi – *PhD Student T4H*

Multibody modelling and motion tracking technologies to understand, monitor and assess the risk of developing joint degenerative pathologies
Giorgio Cassiolas – *PhD Student T4H*

Use of induced pluripotent stem cells (iPSCs) as an alternative model for neurodegenerative and cancer diseases
David Angelats Lobo – *PhD Student DRIMI*

Termo-chemo-meccanica per lo studio di processi mechano-biologici
Matteo Arricca – *PhD Student DRIMI*

Waste recovery potential with a view to industrial symbiosis in the province of Brescia
Reza Vahidzadeh e Ehsan Liaghati - *PhD Student DICACIM*

Evaluation the effect of the climate variability on hydro-glaciological behaviour on water availability in Upper Indus Basin
Muhammad Usman Liaquat – *PhD Student DICACIM*

17:20 – Q&A e SALUTI FINALI