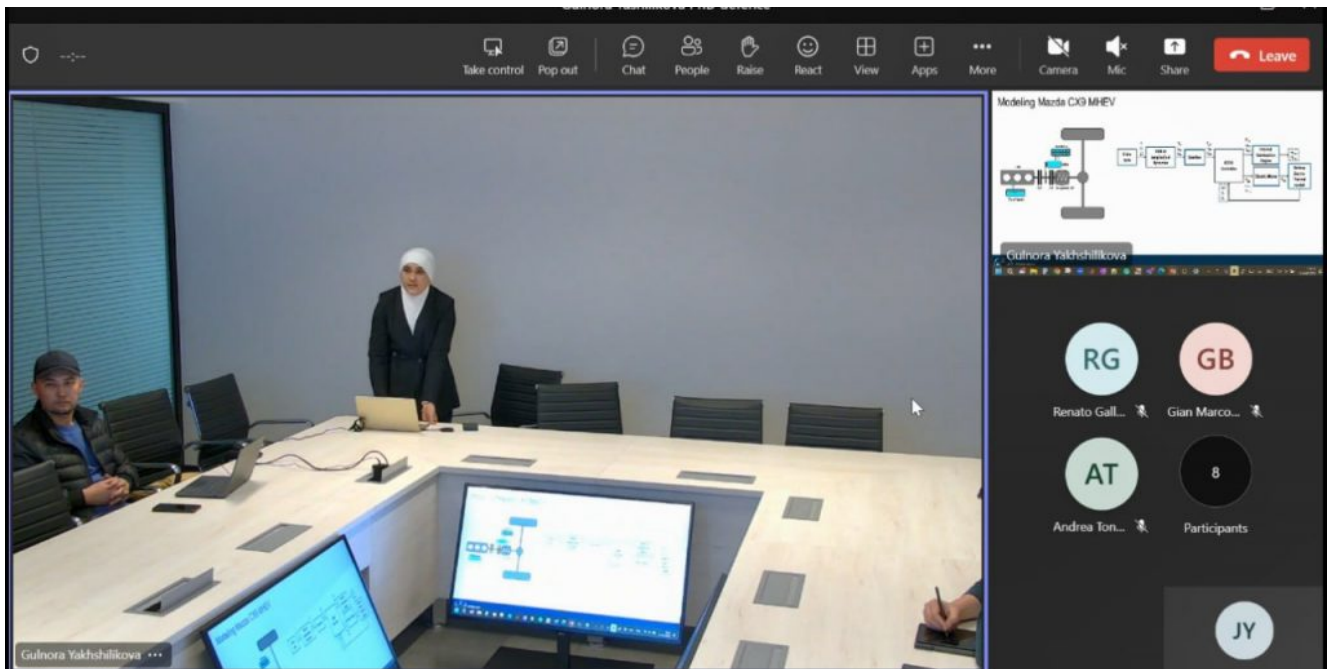


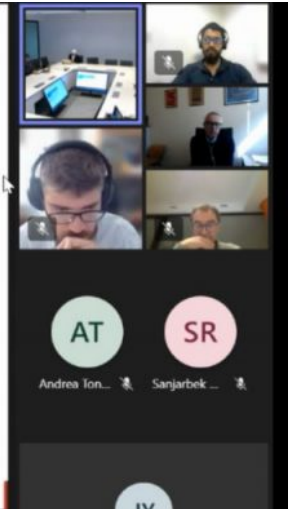
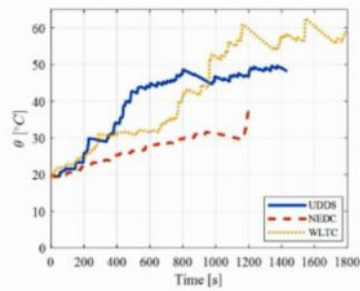
# PhD dissertation was successfully defended

On April 21, 2023, **Gulnora Yahshilikova**, TTPU teacher of “Mechanical and aerospace engineering” department successfully defended her PhD dissertation at Politecnico di Torino, Italy, on the topic **“Development of Energy Management System for Hybrid Electric Vehicles”** under the supervision of Prof. Andrea Tonoli (Politecnico di Torino) and DSc. Sanjarbek Ruzimov (TTPU).



## Battery capacity is doubled 14s12p (1.8 kWh)

Drive cycle	Fuel Consumption [g] CO2 reduction [g/km]		
	14s12p; ECMS no limitation		
UDDS	611.4	-23.1 g/km	50 °C
NEDC	544	-13.7 g/km	37 °C
WLTC	1185	-35 g/km	61 °C



The commission consisting teaching staff highly evaluated the work done, emphasized its importance and relevance in modern industry and wished the researcher great success in her future scientific activity.