Inite! Research Week Programme	Seminarist	MSc	PhD	Duration	Online preparation
I Plenary talks Advanced decision making for data-driven production and supply chain management Electro-chemical and thermo-chemical pathways for the production of sustainable chemicals Nurturing the future of microelectronics for a sustainable tomorrow (GreenChips-EDU) Towards a Theory for Trustworthy AI	Pr. Gülgun Alpanl (UGA) Pr. Massimo Santarelli (PoliTo) Pr. Sarah Woywod (TU Graz) Pr. Alexander Jung (Aalto)	X X X	X X X X	1,5h	
Lectures in 1 scientific specialty (select one): Industry 4.0 Use of flux simulation for decision-aiding in manufacturing context Modern statistical and time series methods for analysis of industrial data with impulsive behavior Mechatronic Machine System Design Sustainable electronics In-person session «discussion / Q&A» on the delivered online content Learn-Repair-Café: several repairs stations for electronic devices with professionals/repair crew Artificial intelligence Robustness and generalization of high-dimensional representations generated by deep models for image recognition Continual learning or how to design smarter classifiers Three Main Components and one Design Principle for Machine Learning Electrochemical energy conversion and storage Durability of electrodes Characterization Techniques Modelling/Simulation Hydrogen vector Synchrotron techniques for the characterization of catalysts Exploring the green supply chain in hydrogen technologies Converter-fed electrolyser systems Nuclear Engineering Fusion: general introduction Fission: Generation IV and Small Modular Reactor Materials	Pr. Zakaria YAHOUNI (UGA) Pr. Agnieszka WYŁOMAŃSKA (WUS Pr. Jari Juhanko (Aalto) Sarah Woywod (TU Graz) Professional repair crew Pr. Henryk Maciejewski (WUST) Pr. Michal Wozniak (WUST) Pr. Alexander Jung (Aalto) Pr. Marian Chatenet and Pr. Antoine Bonnefont (UGA) Pr. Claire Villevieille (UGA) Pr. Yann Bultel (UGA) Pr. Jordi Llorca (UPC) Pr. Cesar Valderrama (UPC) Pr. Marko Hinkkanen or Pr. Olli Himanen (Aalto) Pr. Roberto Zanino (PoliTo) Pr. Sandra Dulla (PoliTo) Pr. Emilie Ferrié (UGA)	X T) X X X X X	X X X X X X X X	4,5h	8h

	Seminarist	MSc	PhD	Duration	Online preparation
Transferable skills lectures Empowering futuristic minds for responsible innovations Confidence: from body language to scientific communication and grant writing Open science: putting policy into practice	Pr. Filip Rozborski (TU Graz) Pr. Bartosz Zajaczkowski (WUST) Pr. Essi Viitanen (Aalto)	X X X	X X X	4,5h	8h
Scientific tools for research lectures (select one): Electronic laboratory notebook for colla-borative research ChatGPT as support for research	Pr. Essi Viitanen Pr. Franz Bruckert	X X	X X	1,5h	
Challenges Autrans Village (1050-1700): The Alpine connected smart resort - Energy Storage Autrans Village (1050-1700): The Alpine connected smart resort - Mobility Autrans Village (1050-1700): The Alpine connected smart resort - Biomass boiler cogeneration and heat networks Autrans Village (1050-1700): The Alpine connected smart resort - Smart grids Other subjects to be provided by Industrials		X X X X	X X X X	10h	
Compulsory sessions Visits of Research Intrastructures around Grenoble Industry forum		Х	Х	9h	5h