

MACHINES DON'T SOLVE PROBLEMS; HUMANS SOLVE THEM TOGETHER!







#### PORTO, Portugal

FACULTY OF ENGINEERING OF UNVIERSITY OF PORTO



25 NOV 6 DEC 2024

# TERSCHOOL

EXPLORING AUGMENTED
MANUFACTURING: ENHANCING
EFFICIENCY AND SUSTAINABILITY WITH
DIGITAL TECHNOLOGIES

EITMANUFACTURING.EU

#ExploringAugmentedManufacturing #EAM

## **ABOUT**

Having the NextGenerationEU Recovery Plan as background and under the motto "Machines don't solve problems; humans solve them together!" this winter school will help EITM Doctoral School students to develop leadership, intellectual and creativity skills and competencies, whilst applying their research skills and technical competencies to address complex problems and societal challenges.

Inspired by the new European Bauhaus initiative, this program of the winter school builds a creative initiative, bringing down walls between science and technology, art, culture and social inclusion, to develop in the students the skills and competencies that are needed to find solutions for everyday problems.

The programme will be accompanied by **company visit** to Industry and Innovation Lab (iiLab) to explore how digital technologies (in particular simulation) can be used to augment the efficiency and sustainability in industry.

Participants will have the opportunity to **engage in a workshop promoted by the EIT Manufacturing RIS Innovation Hub** allowing interaction with multiple stakeholders, including local industrial partners.

**Demo Day:** It is a "Launchpad Global Pitchfest" is a full day event where the participants and students from our partner universities will have the opportunity to pitch their ideas to Business Angels and Venture Capitalists.

## AUGMENTING EFFICIENCY AND SUSTAINABILITY WITH TECHNOLOGY

#### What is the challenge about?

This challenge addresses the servitization of manufacturing equipment by an industrial equipment manufacturer; working together with a deeptech startup that uses genAl in manufacturing, a typical equipment manufacturer explores how to move from selling equipment to providing services.

The challenge is to explore different business models and their impact not only on the company but also in industry.

Participants will be challenged by Michael Peschl, Head of Research and Development at Harms & Wende GmbH & Co. KG, and by Liliana Antão, Chief Technology Officer at ind.tiles.







#### The company visit:

Participants will have the opportunity to visit the Industry and Innovation Lab (iiLab).

#### What is the company about:

iiLab is an infrastructure that supports technology-based innovation in public and private organizations, thus contributing to the development of their skills in the development, adoption and implementation of advanced production technologies, leading to a sustainable competitiveness in the circular economy context.

#### What could students expect and learn from this company visit:

During the day participants will have the opportunity to visit the facilities, interact with experts and explore how digital technologies (in particular simulation) can be used to augment the efficiency and sustainability in industry. Interaction with multiple stakeholders, including local industrial partners, is also expected during a workshop promoted by the EIT Manufacturing RIS Innovation Hub.



Activity	Time frame	Presenter/Host	Details
Welcome	09:00 - 10.45	FEUP+ GELLIFY	Introduction of the partners (FEUP, INESC- TEC, UPTEC, HWW and ind.tiles)
Coffee break	10:45 - 11:00		
Design Sprint: Understand	11:00 - 13:00	GELLIFY	<ul> <li>Winter School program and structure</li> <li>Winter school objectives</li> <li>Challenge explanation</li> </ul>
Lunch break	13:00 - 14:00		
Design Sprint: Sketch	14:00 - 15.45	FEUP + HWH and ind.tiles	External partner (from FEUP) introduction
Coffee break	15:45 - 16:00		
Design Sprint: Sketch	16:00 - 18:00	FEUP + HWH and ind.tiles	External     partner (from     FEUP)     introduction
Dinner			



Activity	Time frame	Presenter/ Host	Details
Design Sprint: Decide	09:00 – 10:45	GELLIFY	<ul> <li>Value Proposition     Analysis</li> <li>Value Proposition     Canvas</li> <li>Personas definition</li> <li>Need validation</li> </ul>
Coffee break	10:45 - 11:00		
Design Sprint: Decide	11:00 - 13:00	GELLIFY	<ul><li>Business model definition</li><li>Business model Canvas</li></ul>
Lunch break	13:00 - 14:00		
Design Sprint: Prototype	14:00 - 15:45	GELLIFY	Business model review with GELLIFY
Coffee break	15:45 - 16:00		
Design Sprint: Prototype	16:00 - 18:00	GELLIFY	Feasibility test: reflect on assumptions about feasibility and desirability



Activity	Time frame	Presenter/Host	Details
Design Sprint: Validate	09:00 - 10:45	GELLIFY + HWH and ind.tiles	Business     model review     with HWH and     ind.tiles
Coffee break	10:45 - 11:00		
Design Sprint: Validate	11:00 - 13:00	GELLIFY	Business     model     refinement
Lunch break	13:00 - 14:00		
Design Sprint: Validate	14:00 - 15:45	GELLIFY	Idea     presentation     preparation
Coffee break	15:45 - 16:00		
Pitch	16:00 - 18:00	GELLIFY + HWH and ind.tiles	Idea pitch to     HWH and     ind.tiles
Activity - The Park Vr Porto	18:30 - 20:00		



Activity	Time frame	Presenter/Host	Details
Storyselling: The power of effective presentations	09:00 – 10:45	GELLIFY	Presentation, data     visualization     and video     design     techniques     and tools
Coffee break	10:45 - 11:00		
Storyselling: The power of effective presentations	11:00 - 13:00	GELLIFY	Golden rules     for a good     elevator pitch
Lunch break	13:00 - 14:00		
Storyselling: The power of effective presentations	14:00 - 15:45	GELLIFY	Work on the business idea presentation
Coffee break	15:45 - 16:00		
Storyselling: The power of effective presentations	16:00 - 18:00	GELLIFY	Work on the business idea presentation



Activity	Time frame	Presenter/Host	Details
Storyselling: The power of effective presentations	09:00 - 10:45	GELLIFY	<ul> <li>Work on the business idea presentation</li> <li>Review with GELLIFY</li> </ul>
Coffee break	10:45 - 11:00		
Storyselling: The power of effective presentations	11:00 - 13:00	GELLIFY	<ul> <li>Work on the business idea presentation</li> <li>Review with GELLIFY</li> </ul>
Lunch break	13:00 - 14:00		
Workshop	14:00 - 15:45	FEUP	Workshop in     Zero Defect     Manufacturing
Coffee break	15:45 - 16:00		
Workshop	16:00 - 18:00	FEUP	Workshop in     Zero Defect     Manufacturing
Dinner - #SEXTOU Downtown	20:30		• Clube 21

## WEEKEND

### HERE ARE SOME SUGGESTIONS OF WHAT YOU CAN FILL YOUR WEEKEND (NOVEMBER 30TH & DECEMBER 1ST) WITH

Activity	Link	Details
Caves Calem	https://cavescal em.byblueticket. pt/Evento? IdEvento=3039& DtEscolhida=202 4-12-03	<ul> <li>This visit includes:</li> <li>Interactive museum</li> <li>Guided tour of the museum and our historic cellars in English</li> <li>Tasting (2 different wines)</li> <li>Cálem Fine White Cálem 10 Years Old Tawny Fado show: 45 minutes</li> </ul>
Jumper's Matosinhos	https://www.jum pers.pt/en	Each ticket gives you access to approximately 60 minutes of use. If you have the energy for more, the 2nd hour has a special price.
Spiritus	https://www.spiri tusporto.com/	Spiritus is a unique immersive show that takes place in the iconic Clérigos Church in the city of Porto. After welcoming more than 150,000 visitors, it is returning to the majestic Clérigos Church.
Minigolf Porto	https://minigolfp orto.com/	Situated in Porto's Cedofeita area on the Rua Dr. Alfredo Magalhães, our new and unique Minigolf experience has been specially designed for challenge and adventure with every putter in mind, whether you are a novice or a pro.
Porto Legends The Underground Experience	https://portugal agenda.com/ev ent/porto- legends-the- underground- experience/	Under the Alfândega do Porto is an immersive, mysterious and magical show:     "Porto Legends, the Underground Experience". In this 360° audiovisual experience we can discover Invicta's most valuable treasure: its stories and legends.



Activity	Time frame	Presenter /Host	Details
Introductio n to IPR and the Main Principles	09:00 – 10:45	GELLIFY	<ul> <li>Introductions of the lecturer and the participants.</li> <li>Icebreaker:</li> <li>What do you know about IPR?</li> <li>What is the level of their importance for startups and entrepreneurs?</li> <li>Which challenges, as you think, exist in this field?</li> <li>Introduction to IPR and their key principals.</li> <li>Introduction to intellectual property protection tools.</li> <li>Q&amp;A</li> </ul>
Coffee break	10:45 - 11:00		
Models for Innovation	11:00 - 13:00	GELLIFY	<ul> <li>Icebreaker:</li> <li>Which models of collaboration</li> <li>between other innovation players and startups do you know?</li> <li>How could each model benefit a startup?</li> <li>Introduction to the model for innovation and how these can be designed for a specific business model of a startup (e.g., mergers, licenses, participation in equity, etc.).</li> <li>Q&amp;A</li> <li>Introduction to a short case related to the models for innovation</li> <li>Discussions of the case between all the participants</li> </ul>

# SCHEDULE DECEMBER 2ND, MONDAY (CONTINUED)

Activity	Time frame	Presenter /Host	Details
Lunch break	13:00 - 14:00		
IP Contractual Aspects	14:00 - 15:45	GELLIFY	<ul> <li>Icebreaker:</li> <li>- What, as you think, is important to include in a contract related to IPR?</li> <li>Introduction to the insights into the contractual aspects of intellectual property with a focus on the startup ecosystem (e.g., definition of the concrete IP rights concerned, definition of the financial conditions [e.g., royalties, possible lump sum, etc.], definition of the state of exclusivity or non/exclusivity, etc.)</li> <li>Q&amp;A</li> </ul>
Coffee break	15:45 - 16:00		
IP Contractual Aspects	16:00 - 18:00	GELLIFY	<ul> <li>Introduction of a short practical case related to the models for innovation to be solved in small teams (3-5 teams)</li> <li>Presentation of the case solution by each team and discussion between all the participants.</li> </ul>



Activity	Time frame	Presenter/Host	Details
COMPANY VISIT	09:00 – 13:00	INESC-TEC	<ul><li>(iiLab / INESC-TEC)</li><li>Hands on activity (simulation of industrial systems)</li></ul>
Lunch break	13:00 - 14:00		
COMPANY VISIT	14:00 - 18:00	INESC-TEC	<ul><li>Visit to iiLab</li><li>RIS Hub joint activity</li></ul>

## SCHEDULE DECEMBER 4TH, WEDNESDAY

Activity	Time frame	Presenter/Host	Details
BoostUp	09:00 – 13:00	BoostUp	BoostUp - Casa da Música
Lunch break	13:00 - 14:00		
Pitch Preparation	14:00 - 16:00	FEUP	Preparation for the following days' pitches
Welcome drinks for the Graduation Ceremony	16:15 - 17:00		
Graduation Ceremony	17:00 - 18:00	FEUP	
Dinner			At FEUP



Activity	Time frame	Presenter/Host	Details
Launchpad Global Pitchfest	09:00 – 14:00	UPTEC	Pitches from Doctoral School, School of Startups from UPTEC, ClimateLaunchpad from Climate-KIC and Venture Scientists from Conception-X
Lunch break	13:00 - 14:00	Lunch break	
DEMO DAY(Launc hpad Global Pitchfest)	14:00 - 18:00	UPTEC	Pitches from Doctoral School, School of Startups from UPTEC, ClimateLaunchpad from Climate-KIC and Venture Scientists from Conception-XGraduation Ceremony
Gala Dinner	20:30		<ul><li>Nogueira's</li><li>Enoteca</li><li>T&amp;C (WOW)</li></ul>



Activity	Time frame	Presenter/Host	Details
Discovery Session	09:00 – 10:45	Conception X	• with Riam Kanso
Coffee break	10:45 - 11:00		
Discovery Session	11:00 - 13:00	Conception X	• with Riam Kanso
Lunch break	13:00 - 14:00		
NETWORKING	14:00 - 15:45		Networking
Farewell Drinks	15:45 - 16:45		

## HIGHLIGHTS

- New technology trends related to the use of genAl in industry
- Zero Defect Manufacturing and First-time approaches to improve efficiency and sustainability
- Business model design and evaluation
- Intellectual Property and contractual aspects
- Storyselling and pitching

## **LEARNING OUTCOMES**

- Refine the ability to build robust business models
- Acquire the ability to present the business idea effectively
- Learn the golden rules for a good elevator pitch
- Learn about intellectual property and contractual aspects in the startup ecosystem
- understand how new digital technologies enhance the efficiency and sustainability of manufacturing

# LAUNCHPAD GLOBAL PITCHFEST

#### What is the Demo Day about?

The "Launchpad Global Pitchfest" is a full day event where the participants will have the opportunity to pitch their ideas together with other students from U.Porto involved in different acceleration programs.

Students from the School of Startups for researchers (UPTEC), the ClimateLaunchpad (Climate-KIC) and the Venture Scientists program (Conception-X) will join the demo day and present their ideas.

#### How can participants benefit from it?

The "Launchpad Global Pitchfest" will take place at the U.Porto Science and Technology park main building and incubator, and will attract entrepreneurs, BAs and VCs.

Participants will have the opportunity to network with fellow wanna-be entrepreneurs, start-ups and entrepreneurs, BAs and VCs, learning and benefiting from the experience of like minded people and extending their networks.

#### **About FEUP**

The Faculty of Engineering of the University of Porto (FEUP) is a public institution of higher education with statuary, scientific and financial autonomy. Our mission is to train world-class engineers and our effort is on research and development of excellence. Founded in 1926, FEUP is one of 14 faculties at the University of Porto. We are the largest faculty of the University of Porto, with 3 Licenciaturas, 9 Integrated Master Programs (5 years), 7 Master Programs (2 years) and 20 Doctoral Programs. FEUP has more than 7,000 students and 450 professors across 9 departments.

FEUP works closely with several respected institutions such as the European Space Agency (ESA), IBM, Microsoft, and the European Organization for Nuclear Research (CERN). It also teams up with research universities such as the Massachusetts Institute of Technology (MIT), the University of Texas at Austin (UTA) and the Carnegie Mellon University (CMU).

Supported its high-quality R&D, which is produced as a result of the excellence of its various research units and its strong international partnerships, FEUP is an institution that seeks to ensure that students are able to conceive, develop, implement and operate complex systems in order to generate added value in an environment of social and professional sustainability, based on ethical principles.

More information: www.fe.up.pt

#### **About Porto**

The conquest of Portucale in 868 by Vímara Peres, a warrior of king Afonso III from Leon, is duly considered as a major event in the ancient history of Porto. Ever since the second half of the 6th century, since the days of the Suevians, the head office of the Portugalense Diocese was located in Portucale. However, as of 868 its importance increased: it became the centre of the movement of re-conquest, which, because of this, became the Portugalensis province in the middle of the 10th century. The inhabitants of this area became known as the Portugalenses. It was among them that the first vague national feelings began to emerge.

In 1120, the D. Teresa, the widow of the Count D. Henrique, donated the Bishop D. Hugo and his successors the little borough of Porto. In 1123 the Bishop granted the latter a code of laws and later, D. Afonso Henriques confirmed and enlarged the limits of the land. In 1147 some of the Nordic Crusaders who took part of the Second Crusade entered the Douro river. The Bishop of Porto, D. Pedro Pitões, eloquently lectured them at the Crasto de Portucale, on top of the hill, in front of the Sé (Cathedral). The purpose of this lecture was to encourage them to join D. Afonso Henriques in the conquest of Lisbon. Afterwards, the Portugalense Bishop accompanied the armada and took part in the military adventure.

Porto began to develop rapidly when the Princess of the Tagus fell into the hands of the Christians. The population began to grow and so did the city's economic importance. The bourgeois got involved in quarrels and clashes with its Bishops, to whom the borough owed so much, but yet from whose temporal subordination the rebellious ones wanted to free themselves. The King was often the peacemaker and it was D. João I, who, after two centuries, ended these quarrels, allowing himself the purchase of the right to temporal jurisdiction of the borough from the Bishops.

During the crisis of 1383-1385, Porto served the Master of Avis, who presented himself as the Portugal Governor and Defender against the people of Castile, in such a way that the monarch granted it the title of MUI NOBRE E SEMPRE LEAL CIDADE (very noble and always loyal city). The time of the Cycle of Conquests and the Ultramarine Discoveries followed. In the same manner that the north of the country had been the cradle of the warriors who conquered the south from the Moors, it was also from the north, place of birth of the Porto Infante D. Henrique (Henry the Navigator), and many sailors, that a decisive impulse towards great maritime navigations emerged. However, there was more to Porto than trade and navigation.

After having been under the rule of the king Philip of Spain, Portugal recovers its independence in 1640. At this point, Porto enthusiastically takes on a role of distinction during the Restoration. Porto suffers severely from the invasion of Soult in 1809, and its tragic consequences.

Nevertheless, not everything is related to war in the history of Porto. On the second half of the 18th century, the city, which had become extraordinarily rich, grew, became modernized thanks to the Almadas; and in the 19th century, Porto presented the Nation with poets like Garrett and sculptors as great as Soares dos Reis.

Obviously, at the groundwork of all collective actions of a people is the people itself. Guilherme Camarinha bore that in mind in a tapestry displayed at the Câmara Municipal do Porto (Porto City Council), as he placed at the base of his amazing work the farmers, the craftsmen, the carpenters, the ships carpenters and the butchers working on the preparation of the armada, which left from the Ribeira do Douro in 1415 to Ceuta, under the command of the Infante D. Henrique. The people of Porto contributed with everything they had for the equipment and supply of those ships. They generously and patriotically gave in all the meat from their cattle, leaving for themselves nothing but the entrails of those animals, which granted them a designation that is their utmost legitimate pride title: that of the tripeiros (which literally means tripe eaters).

Overlooking the Douro River, Porto is one of the most ancient European cities. It developed from the northern bank of this river during the Middle Ages. One of the most significant aspects of Porto and its historical centre is its landscape, combining harmony with the urban structure and presenting a frame of rare beauty. The city was classified as World Heritage by UNESCO in 1996.

The Port Wine is a sweet fortified wine, exclusively produced in the Douro designated region, was named after the city of Porto, where it is aged and bottled. Its unmistakable bouquet, body and flavor are due to the high quality of the grapes, as well as to the region's soil and climatic conditions. Vinho do Porto is basically a geographic name of origin. There are, in fact, several types of Port Wine – some are aged in wooden casks and others in bottles.

Porto is exceptional. In more ways than one. Elected Best European Destination 2014 by the European citizens, Porto, the "Cidade Invicta" (unvanquished city) is history, is architecture, culture, gastronomy, trade, encounters and discoveries.

Porto has all the charm of towns which happily cohabit with their river. You can stroll along the River Douro (river of gold) in the Ribeira, fly over it by helicopter or discover Porto 's architecture, its amazing landscapes and magnificent bridges by taking a cruise on this majestic river. Porto is also a sea city and in the briefest of time a tram will bring you to Foz do Douro's gentle beaches face to face with the Atlantic.

#### For **online information** please check:

- https://visitporto.travel/en-GB
- https://www.introducingporto.com for more information about the history of Porto, gastronomy, shopping, nightlife or accommodation in Porto.

#### Some videos about Porto:

- www.youtube.com/watch?v=vUIH2wluFMc
- www.youtube.com/watch?v=GnjTCDFpQDE
- www.youtube.com/watch?v=jCl5JeL8rSc

#### Public Holidays while you are here:

- December 1st: Restoration of Independence Day.
- December 8th: Immaculate Conception.

## **TRAVELLING TO PORTO**

By **Plane**: Sá Carneiro Airport, (IATA: OPO), Pedras Rubras, Maia (+351) 229 432 400. Also known as Aeroporto do Porto or Aeroporto de Pedras Rubras. This is the second busiest airport (after Lisbon) in the country and is located at approximately just 15 km from the city centre, making it one of the easier airports to fly in and out of. It is rated as Europe's 3rd best airport under ACI-Airports Council International 2015 ranking, which is the ninth award in the past ten years. Porto airport was in the top three between 2006 and 2011 and was voted by passengers as the best European Airport in 2007. After an intermission of one year, it was again awarded 3rd place in the ranking in 2013 and 2014. The airport presents a large number of nonstop destinations over Europe, US and Brazil and some of the main airlines that travel to Porto include Iberia, Lufthansa, Luxair and Ryanair. It also serves the Galiza region.

Just outside of the airport there is a **bus stop** for the AeroBus (https://www.getbus.eu/pt/portoaeroporto-porto) which takes you inside **Porto Bus Station** (Campo 24 de Agosto), located in the heart of the city center and where you can enjoy a city full of nooks and crannies with a lot of history to tell.. A similar taxi trip will cost 25 Euro.

The **Metro line** (E-Violet: Aeroporto – Estádio do Dragão) connects the Airport to the city centre, offering a fast ride into the heart of the city. This line operates daily from 06:00 – 01:00 and takes about 30 minutes to get to the city centre (either Trindade or Bolhão station). The Andante ticket needed for this journey can be purchased at any of the automatic ticket machines in the Metro station – occasional ticket (Z4). It costs 2.60€, is valid for 1 hour and 15 minutes and is also rechargeable.

## **PUBLIC TRANSPORT**

#### By **metro**

The Porto Metro has 5 lines that run across the center of Porto and to some suburban areas. It is quick, and probably the most efficient way to get around Porto.

andante

Tickets must be purchased in advance.

The ticket is printed in a card called Andante, and you can purchase as many rides (or travels) as you want for the zone you are staying in (Porto and surrounding is Z2, Matosinhos Z3 and Airport Z4). One travel will take you anywhere in your zone, and you can travel as many times as you want during one hour. If you plan on using it again, *Do not throw away the card!* The card can be re-charged (the card itself costs €0.60).

You can also buy daily passes. If you plan on living in Porto, or staying for more than three weeks, it is recommended that you get the Andante Gold. The card costs €5, and will allow unlimited travel, without any time limit. However, the zoning system is different in the Gold version. There are around 11 zones for the Andante Gold (C1, C2, S11, etc.) The city centre is C1. When you buy the card, you must purchase access to another zone in addition to C1, which is already included. The Andante Gold can be used in all metro lines and buses. An important note: your Andante must be validated in one yellow machine before you enter the metro or a bus.



## **PUBLIC TRANSPORT**

For more information please check

http://www.metrodoporto.pt

#### By bus

STCP has many lines and buses, which are modern and comfortable. If you do not have the Andante (see Metro above) you can purchase tickets once you board a bus.

For more information please check:

• http://www.stcp.pt/.

#### By taxi

Porto's taxi services provide a good alternative to get rapidly to/from the city. There are taxis waiting in the stands outside the airport and in different spots all around the city (train stations, some metro stations, etc). The taxis are all equipped with a meter and the number of passengers will not affect the travel cost, though taxi fares also include surcharges depending on circumstances such as time of the day, moment of the week, public holidays and extra luggage. The cars can have two different colors: most of them will be light beige, but some blacks with a green rooftop can still be found.

For more information, please check:

- www.raditaxis.pt
- www.taxisinvicta.com

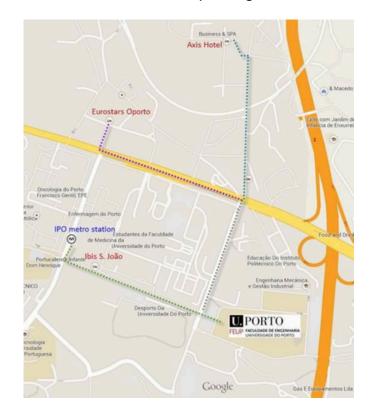
## **ACCOMODATION**

Recommend hotels are listed below. Prices start at 55 Euros per night.

HOTEL IBIS PORTO SÃO JOÃO \*\*\* Rua Dr. Placido Costa, Bonfim 4200 Porto, Portugal Ph. +351 225 513 100 Website: www.ibishotel.com Email: h3227-am@accor.com

AXIS PORTO BUSINESS HOTEL \*\*\*\*
Rua Dr. Placido Costa, Bonfim
4200 Porto, Portugal
Ph. +351 225 513 100
Website: www.ibishotel.com
Email: h3227-am@accor.com

EUROSTARS OPORTO \*\*\*\*
Rua do Mestre Guilherme
Camarinha, 212
4200-537 Porto, Portugal
Ph. +351 707 500 224
Website: www.eurostarshotels.com



#### Alternatives:

HOTEL DOM HENRIQUE \*\*\*\*
Rua de Guedes de Azevedo 179
4000 Porto, Portugal
Ph. +351 223 401 616
Website: www.hoteldomhenrique.pt
Email: comercial@hoteldomhenrique.pt

Email: reservas@eurostarsoporto.com

HOTEL INTERNACIONAL PORTO \*\*\*
Rua do Almada 131
4050 Porto, Portugal
Ph. +351 222 005 032
Website: www.hi-porto.com
Email: info@hi-porto.com

GRANDE HOTEL DO PORTO \*\*\*\*
Rua de Santa Catarina 197
4000 Porto, Portugal
Ph. +351 222 076 690
Website: www.grandehotelporto.com
Email: reservas@grandehotelporto.com

TRYP PORTO CENTRO HOTEL \*\*\*
Rua da Alegria 685
4000-046 Porto, Portugal
Ph. +351 225 194 800
Website: www.trypportocentro.com
Email: tryp.porto.centro@solmeliaportugal.com

HOTEL STAR INN PORTO \*\*\*
Rua da Senhora do Porto 930
4250 Porto, Portugal
Ph. +351 228 347 000
Website: www.hotelstarinn.com
Email: dg.porto@hotelstarinn.com

HOTEL INFANTE DE SAGRES \*\*\*\*\*
Praça Dona Filipa de Lencastre 62
4050 Porto, Portugal
Ph. +351 223 398 500
Website: www.hotelinfantesagres.pt
Email: bookings@hotelinfantesagres.pt

## ACCOMODATION

**QUALITY INN PORTO \*\*\*** Praca da Batalha, 127 - 130 4000-102 Porto, Portugal Ph. +351 223 392 300 Website: www.qualityinn.com

Email: quality.batalha@grupo-

continental.com

HOTEL MERCURE PORTO BATALHA \*\*\*\* Praça da Batalha 28 4049-028 Porto, Portugal Ph. +351 222 043 300

Website: www.mercure.com Email: h1975@accor.com

**PORTO AS 1829 HOTEL \*\*\*\*** Largo de São Domingos, 45-55 4050-097 Porto, Portugal Ph. +351 223 402 740 Website: as1829.luxhotels.pt

Email: as1829.reservas@luxhotels.pt

FLORES VILLAGE HOTEL & SPA\*\*\*\* **RUA das Flores 139** 4420-266 Porto, Portugal Ph. +351 222 013 478 Website: www.floresvillage.com Email: info@floresvillage.com

**HOTEL CARRIS** \*\*\*\* Rua do Infante D. Henrique 1 4050-296 Porto, Portugal Ph. +351 220 965 786

Website: www.carrishoteles.com Email: portoribeira@carrishoteles.com

VINCI PORTO HOTEL \*\*\*\* Alameda Basílio Teles 29 4150-127 Porto, Portugal Ph. +351 220 439 620 Website: www.vinccihoteles.com Email: porto@vinccihoteles.com

VILA GALÉ PORTO \*\*\*\* Av. Fernão Magalhães, 7 4300-190 Porto, Portugal Ph. +351 225 191 800 Website: www.vilagale.pt Email: porto.grupos@vilagale.pt

PREMIUM PORTO DOWNTOWN HOTEL \*\*\*\* Av. Rodrigues de Freitas 427 4000-423 Porto, Portugal Ph. +351 223 258 071 Website: www.hoteispremium.com Email: comercial@hoteispremium.com

**GRANDE HOTEL DE PARIS \*\*\*** Rua da Fábrica, 27/29 4050-247 Porto, Portugal Ph. +351 222 073 140 Website: www.hotelparis.pt Email: Info@hotelparis.pt

**HOTEL TEATRO \*\*\*\*** Rua Sá da Bandeira, 84 4000-427 Porto . Portugal Ph. +351 220 409 620 Website: www.hotelteatro.pt Email: geral@hotelteatro.pt

HOTEL DA BOLSA \*\*\* Rua Ferreira Borges, 101 4050-253 Porto, Portugal Ph. +351 222 026 768 Website: en.hoteldabolsa.com Email: reservas@hoteldabolsa.com

**HOTEL EUROSTARS DAS ARTES \*\*\*\*\*** Rua do Rosário 160 4050 Porto, Portugal Ph. +351 222 071 250 Website: www.eurostarshotels.com Email: fom@eurostarsdasartes.com

## **CONTACTS**

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# EXPLORING AUGMENTED MANUFACTURING: ENHANCING EFFICIENCY AND SUSTAINABILITY WITH DIGITAL TECHNOLOGIES BY FEUP