LISBON, PORTUGAL

SEEEP/SESE SUMMER SCHOOL 2019

JULY • 22 - 24

WELCOME

THIS WORKSHOP IS JOINTLY PROMOTED BY TWO SESE DOCTORAL PROGRAMS THAT AIM TO PROMOTE MULTILATERAL COLLABORATION BETWEEN THE EUROPEAN AND CHINESE UNIVERSITIES OF THE SEEEP.

THE FIRST PROGRAM IS ON "ENERGY AND TRANSPORTATION" AND WAS APROVED IN 2013, DURING THE SEEEP WORKSHOP IN KARLSRHUE. IT INVOLVES THE TONGJI UNIVERSITY, KARLSRUHE INSTITUTE OF TECHNOLOGY, INSTITUTO SUPERIOR TÉCNICO AND THE HARBIN INSTITUTE OF TECHNOLOGY.

THE SECOND PROGRAM (CREAAM) IS ON "COLLABORATIVE ROBOTS FOR ELDERLY ASSISTANCE AND ADVANCED MANUFACTURING" AND HAS BEEN PROPOSED BY INSTITUTO SUPERIOR TÉCNICO, SHANGHAI JIAO TONG UNIVERSITY, THE KARLSRUHE INSTITUTE OF TECHNOLOGY,AND THE HARBIN INSTITUTE OF TECHNOLOGY.

THE JOINT ORGANIZATION OF THE WORKSHOP IS BOTH A SIGNAL CONCERNING THE CROSS-POLLINATION OF MANY MODERN RESEARCH AND TECHNOLOGICAL AREAS AS WELL AS AN INDICATION THAT THE SEEEP AIMS TO FOSTER MULTIDISCIPLINARY INTERACTION.

THIS WORKSHOP HAS A RECORD NUMBER OF PARTICIPANTS, CLOSE TO 80, BOTH FROM EUROPE AND CHINA AND WILL ALLOW FOR THE INTERACTION BETWEEN FACULTY AND DOCTORAL STUDENTS OF THE PARTICIPATING SEEEP INSTITUTIONS.

IN THE SAME WAY THE PORTUGUESE SAILORS INITIATED A NEW GLOBAL ERA FOR OUR PLANET WE HOPE THAT LISBON WILL THE INSPIRATION FOR INSIGHTFUL AND CREATIVE DISCUSSIONS BETWEEN ALL THE PARTICIPANTS, AND PROVIDE A FERTILE GROUND FOR CULTIVATING NEW ACADEMIC AND TECHNOLOGICAL LEADERS.

OBRIGADO, THANK YOU, 谢谢

JOSÉ SANTOS-VICTOR
INSTITUTE FOR SYSTEMS AND ROBOTICS|LISBOA
LARSYS - LABORATORY FOR ROBOTICS AND ENGINEERING SYSTEMS
INSTITUTO SUPERIOR TÉCNICO, LISBOA, PORTUGAL

PROGRAM - DAY 1

July 22 2019
QA02.1 South Tower

9h00		Welcome and registration
9h30		**Session A1: Opening**
	A1-1	Welcome by José Santos-Victor, IST
	A1-2	The Energy and Transportation Doctoral Program - Qirong TANG/ Liguang LI, Tongji U.
	A1-3	The CREAAM Doctoral Program - José Santos-Victor (IST), Weidong Chen (SJTU)
	A1-4	The path to super hight efficiency over 50% for SI engine of passenger car - Liguang Li (Tongi U)
10h30-11h00		COFFEE BREAK
11h00		**Session A2 - Energy: combustion (Chair: Edgar FERNANDES, IST)**
	A2-1	Edgar FERNANDES, (IST-IN+), Lean Combustion Technology
	A2-2	Jing-Wen SHI, (HIT), Reconstruction of 3D temperature field in flame based on light-field imaging technique
	A2-3	Hui-Yi LI, (HIT), Electrochemical Reduction of Ammonia Decarbonization Products on Metal-based catalysts
	A2-4	Jing-Jing SHAN, (HIT), Performance study on electrocatalytic reduction of CO2 at Cu-based electrocatalysts
	A2-5	Shijun ZHU, (HIT), Reclamation of waste iron sludge to create efficient catalyst for the oxidation of organic contaminants
12h30 - 14h00		LUNCH BREAK

PROGRAM - DAY 1

14h00		**Session A3 - Transports (Chair: Patrícia BATISTA, IST)**
	A3-1	Patrícia BATISTA, (IST-IN+), Energy and environmental impacts of alternative energy sources
	A3-2	Bo-Ran DU, (HIT), Hydro-Magnetic Vector Support Theory for Port Plate/Cylinder Block in Bent-Axis Piston Pump
	A3-3	Dongdong LI, (Tongji U), An impeller case study-CAM and 5-axis milling process
	A3-4	Thomas RUDOLF, (KIT), Regenerative Breaking Strategies for Electric Heavy Duty Trucks
	A3-5	Meng ZHANG, (KIT), Particulate Matter Emissions Generated by Tire Road Contact
	A3-6	Florian SCHADE, (KIT), Monitoring and Optimization of Hypervisor-based Mixed-criticality Systems
	A3-7	Wenfeng ZHU, (Tongi U), Role hemming of lightweight material considering adhesive presure viscosity effect
15h30-16h00		COFFEE BREAK
16h00		**Session A4 - Materials (Chair: Florian SCHADE, KIT)**
	A4-1	Kai ZHANG, (Tongji U), A new single-sided blind riveting method for joining dissimilar materials
	A4-2	Peng GU, (Tongji U), Evaluation of Surface Topography of SiCp/Al Composite in Grinding
	A4-3	Fei WANG, (Tongji U), Study of oil particles generating and spreading in working environment during machining
	A4-4	Chengcheng SUN, (Tongji U), Effect of Atmospheric Pressure Plasma Treatment on Adhesive Bonding of Carbon Fiber Reinforced Polymer
	A4-5	Jinlu WU, (Tongji U), Experimental Research on the Atomization Characteristics of Electronic Cigarettes
	A4-6	Na SHEN, (KIT), Sustainable sensor nodes for determining the reliable ampacity forecast of overhead lines
17h30		CLOSE

PROGRAM - DAY 2

July 23 2019
QA02.1 South Tower

9h30		**Session B1- Intelligent Systems (Chair Weidong CHEN, SJTU)**
9h30	B1-1	Weidong CHEN, (SJTU), Localization and Navigation of Intelligent Wheelchair in Large-scale and Dynamic Environments
	B1-2	Saifeddine BEN HAJ KHALIFA, (KIT), Mobile CPS monitoring based on digital twin
	B1-3	Atabak DEHBAN, (IST-ISR), Computational models for affordances in robots
	B1-4	Xiaojie AI , (SJTU), System Design and Experiment of An Underwater Fishing Robot
	B1-5	Xin CAO, (HIT), Kinetics modeling and experimental research on rope-driven joint for humanoid robot
10h30-11h00		COFFEE BREAK
11h00	B2-1	TECHNICAL VISITS (ROBOTICS)
	B2-2	
	B2-3	
	B2-4	
	B2-5	
	B2-6	
12h30 - 14h00		LUNCH BREAK

PROGRAM - DAY 2

14h00		**Session B3-Robotics & Control (Chair Alexandre BERNARDINO, IST)**
	B3-1	Felix HUNDHAUSEN, (KIT), Resource-aware Embedded Systems for Vision-Based Grasping and Manipulation
	B3-2	Alexandre BERNARDINO, (IST-ISR), Robotic tools for assisting older people
	B3-3	Yixiang LIU, (HIT), Realizing Human-like Walking on a Pneumatic Artificial Muscle Actuated Humanoid Robot with Passive Compliance
	B3-4	Xu LI, (HIT), Design and Experiments of a Novel Hydraulic Wheel-legged Robot
	B3-5	Yinghao LI, (Tongji U), Chattering-suppression Sliding Mode Control of an Autonomous Underwater Vehicle Based on Nonlinear Disturbance Observer and Power Function Reaching Law
	B3-6	Qingfei ZENG, (Tongji U), Kinematic Characteristics Analysis of Cooperative Welding Robot with Multiple Manipulators
15h30-16h00		COFFEE BREAK
16h00		**Session B4 - Energy (Chair: Liguang LI, Tongji U.)**
	B4-1	Xiao-long FU, (HIT), Hydraulic instability induced by the cavity collapse in a pump-turbine during the load rejection process
	B4-2	Chi ZHANG, (HIT), Long-term thermal analysis of an airfield-runway snow-melting system utilizing heat-pip technology
	B4-3	Hongxin LIU, (Tongji U), Multi-split heat pump drying system for buffer-layer coating of lithium battery
	B4-4	Xia YUE, (Tongji U), Upgrading of reed pyrolysis oil by catalytic esterification using solid acid catalyst generated from reed biochar
	B4-5	Hanfu WANG, (SJTU), Coupled Task Scheduling for Heterogeneous Multi-robot System Performing Tasks with Complex-schedule Constraints
	B4-6	Kevin NEUBAUER, (KIT), The Transformation of Personal Mobility: Exploiting Cross-Domain Electric / Electronic Architecture Simulation on the Way to Self-Driving Cars
	B4-7	Xuefeng SHAO (ZJU) Phase change behaviors of sugar alcohols for thermal energy storage
17h30		CLOSE
20h00		**DINNER**

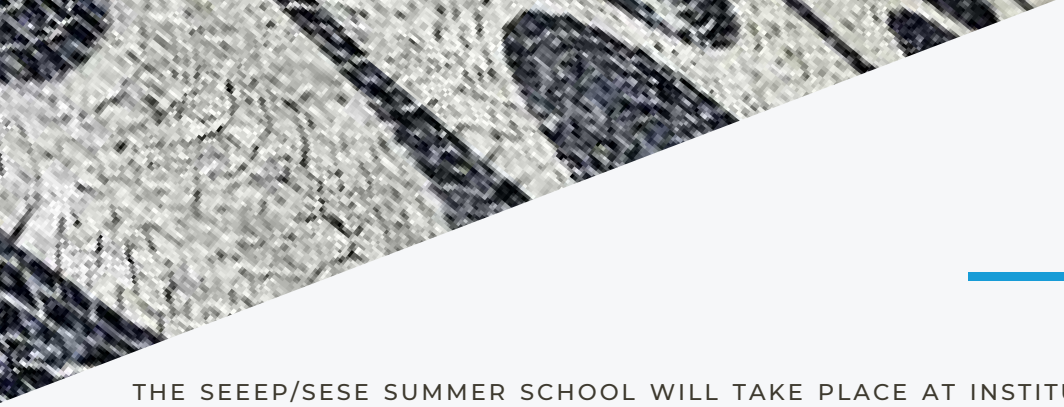
PROGRAM - DAY 3

July 24 2019
QA02.1 South Tower

9h30		**Session C1: Robot Vision & recognition (Chair José SANTOS-VICTOR, IST)**
9h30	C1-1	Yafu TIAN, (HIT), VLN:Visual-Language Navigation with semantic prior
	C1-2	Christoph POHL, (KIT), Data-driven Methods for Vision-based Grasping and Manipulation
	C1-3	Paul SCHYDLO, (IST-ISR), Action Recognition and Understanding
	C1-4	Guangming WANG, (SJTU), Unsupervised Learning of Monocular Depth and Ego-motion Using Multiple Masks
	C1-5	Hongle XIE, (SJTU), Efficient Pose Graph Sparsification for Visual-inertial SLAM with Long-term Map Maintenance
10h30-11h00		COFFEE BREAK
11h00	C2-1	TECHNICAL VISITS (ENERGY & TRANSPORTATION)
	C2-2	
	C2-3	
12h30	C2-4	
	C2-5	
	C2-6	
12h30 - 14h00		LUNCH BREAK

PROGRAM - DAY 3

14h00		**Session C3 - Industry 4.0 (Chair: Qirong TANG)**
	C3-1	Houssem GUISSOUMA, (KIT), Methods for Design and Testing of Software Updates in Cyber Physical Systems
	C3-2	Beikun ZHANG, (Tongji U), A 3-dimension multi-agent algorithm for energy-oriented sequencing problem of mixed-model assembly line
	C3-3	Bo LIU, (KIT), Modeling and Deploying Service Oriented Architecture for Industry 4.0.
	C3-4	Sven NITZSCHE, (KIT), Potential of AI for Connected Machines in Industry 4.0
	C3-5	Weisong GU, (Tongji U), Current regulator design for dual Y shift 30 degrees permanent magnet synchronous motor
	C3-6	Fabian LESNIAK, (KIT), Middleware and Hardware Architecture for Software Updates in Cyber Physical Systems
15h30-16h00		COFFEE BREAK
16h00		**Session C4-Thermal Engine (Chair: Lei HAN, HIT)**
	C4-1	Zi WANG, (Tongji U), Applying a machine learning approach to predict older people's thermal sensation in building environment: modelling, interpretations and applications
	C4-2	Yikun YANG, (Tongji U), Generative Design for HVAC system, a pilot study
	C4-3	Hongxin WANG, (Tongji U), Automatic design of HVAC system -An introduction of BEMBots
	C4-4	Shaoye JIN, (Tongji U), Thermodynamic Analysis on Factors Influencing the Indicated Thermal Efficiency of Argon Cycled Engine
	C4-5	Jinqiu WANG, (Tongji U), Cycle based Pre-Ignition Diagnostic Employing Ion Current in a GDI Boosted Engine
17h30		**CLOSING**



VENUE

THE SEEEP/SESE SUMMER SCHOOL WILL TAKE PLACE AT INSTITUTO SUPERIOR TÉCNICO (IST), WITHIN THE ALAMEDA CAMPUS,

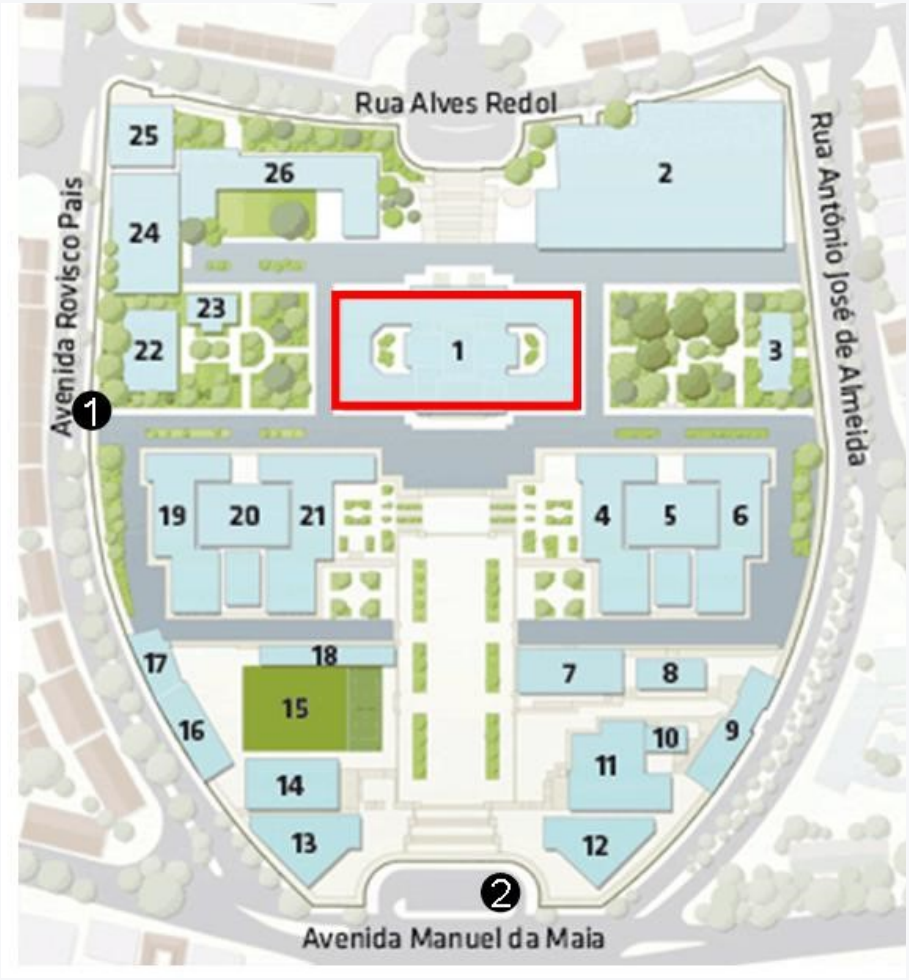
THIS AREA PROVIDES PRIVILEGED ACCESS TO LISBON'S MAIN POINTS OF INTEREST. THE PUBLIC TRANSPORT NETWORK ALLOWS QUICK TRAVELS TO ALL POINTS OF THE CITY.

AVENIDA. ROVISCO PAIS 1, 1049-001, LISBON

- 5MN WALK FROM SALDANHA SUBWAY STATION
- 5MN WALK FROM ALAMEDA SUBWAY STATION

THE SESSIONS/PRESENTATIONS WILL TAKE PLACE AT THE CENTRAL PAVILION OF IST, IN ROOM GA3 (IDENTIFIED BELLOW)

CLICK THE IMAGE FOR GOOGLE MAPS DIRECTIONS



FOUNDED IN 1911, INSTITUTO SUPERIOR TÉCNICO IS THE LARGEST AND MOST REPUTED SCHOOL OF ENGINEERING, SCIENCE AND TECHNOLOGY IN PORTUGAL.

IT'S MISSION IS TO CONTRIBUTE TO THE DEVELOPMENT OF SOCIETY BY PROMOTING HIGHER EDUCATION OF OUTSTANDING QUALITY, IN THE AREAS OF ENGINEERING, SCIENCE AND TECHNOLOGY, AT UNDERGRADUATE AND POSTGRADUATE LEVELS, AND BY CARRYING OUT RESEARCH AND DEVELOPMENT ACTIVITIES IN ACCORDANCE WITH THE HIGHEST INTERNATIONAL STANDARDS.

IT OFFERS ABOUT 30 UNDERGRADUATE PROGRAMS, ATTENDED BY MORE THAN 6,500 STUDENTS, COVERING A WIDE RANGE OF AREAS OF KNOWLEDGE, INCLUDING NOT ONLY ALL THE TRADITIONAL ENGINEERING SPECIALIZATIONS, BUT ALSO OTHER MODERN AREAS SUCH AS BIOLOGICAL ENGINEERING, AEROSPACE AND PHYSICS ENGINEERING. POSTGRADUATE TRAINING IS ALSO IMPORTANT WITH OVER 4,000 STUDENTS, INCLUDING ABOUT 1,300 PHD STUDENTS.

LISBON

LISBON, WITH A POPULATION OF ABOUT ONE MILLION INHABITANTS (2 MILLION IN THE METROPOLITAN AREA), IS THE CAPITAL, THE CHIEF PORT AND THE LARGEST CITY OF PORTUGAL. IT STANDS ON THE WESTERNMOST POINT OF LAND OF THE EUROPEAN CONTINENT, WHERE THE TAGUS RIVER FLOWS INTO THE ATLANTIC OCEAN.

ONE OF THE THE MILDEST CLIMATES OF ALL EUROPEAN CAPITALS, LISBON IS ONE OF THE MOST ANCIENT CITIES IN THE WESTERN EUROPE.
PROBABLY INHABITED SINCE THE NEOLITHIC PERIOD, IT WAS CONQUERED BY D. AFONSO HENRIQUES DURING THE CRUSADES IN 1147, AND DECLARED CAPITAL OF THE PORTUGUESE KINGDOM IN 1252. IN THE 15TH AND 16TH CENTURIES, THE AGE OF THE DISCOVERIES, LISBON BECAME THE CENTER OF THE WORLD AND THE ENTRANCE OF EUROPE TO THE OCEANS.

BEING ALREADY AN IMPORTANT CITY WHEN CONQUERED IN 1147, IT CONTINUED GROWING ITS IMPORTANCE. IN 1260 THE KING AFONSO III TRANSFERRED HIS COURT THERE FROM COIMBRA. THE UNIVERSITY OF LISBON WAS FOUNDED IN 1292. IT IS PERHAPS THIS LONG HISTORY OF FINDING NEW LANDS AND CULTURES THAT EXPLAIN WHY LISBOANS ARE, BY NATURE AND TRADITION, OPEN TO THE NEW AND VERY WELCOMING TO VISITORS.

CLICK THE IMAGE TO BE FORWARDED TO VISIT LISBOA

PORTUGAL

PORTUGAL IS LOCATED ON THE WEST SIDE OF THE IBERIAN PENINSULA, ALONG THE ATLANTIC EAST COAST AND OCCUPIES AN AREA OF ABOUT 92 000 KM2, INCLUDING THE ISLANDS OF MADEIRA AND AZORES, THE COUNTRY HAS A POPULATION OF ABOUT 10 MILLION PEOPLE, WITH THE CAPITAL, LISBON, REACHING 1 MILLION. PORTUGAL BECAME A REPUBLIC ON 5TH OCTOBER 1910 AND IS AN ESTABLISHED DEMOCRACY TODAY.

PORTUGAL HAS THE LARGEST EXCLUSIVE ECONOMIC ZONE (EEZ) WITHIN EUROPE, 3RD LARGEST OF THE EU AND THE 10TH LARGEST EEZ IN THE WORLD, AT 1 727 408 KM2.

KNOWN FOR ITS SUNNY BEACHES, PORTO WINE, OR TYPICAL FADO MUSIC, PORTUGAL IS A HOLIDAY DESTINATION FOR MANY, AS IT IS AN IDEAL PLACE FOR PRACTICING WATER SPORTS, PLAYING GOLF, OFFERING MODERN TOURISM FACILITIES. A MEMBER-COUNTRY OF THE EUROPEAN UNION SINCE 1986, IT CURRENTLY ENJOYS A STEADY ECONOMIC GROWTH. FOR CENTURIES PORTUGAL HAS KEPT THIS GREAT TREASURE: A RENOWNED REPUTATION OF HOSPITALITY WHICH MAKES THE COUNTRY A HEAVEN OF CONGENIALITY AND SAFETY..

CLICK THE IMAGE FOR A VIDEO ON PORTUGAL

ACCOMMODATION

MOST PARTICIPANTS WILL STAY AT THE STUDENT RESIDENCE ENGENHEIRO DUARTE PACHECO: HTTPS://NA.TECNICO.ULISBOA.PT/EN/RESIDENCIA-ESTUDANTES-ENG-DUARTE-PACHECO/

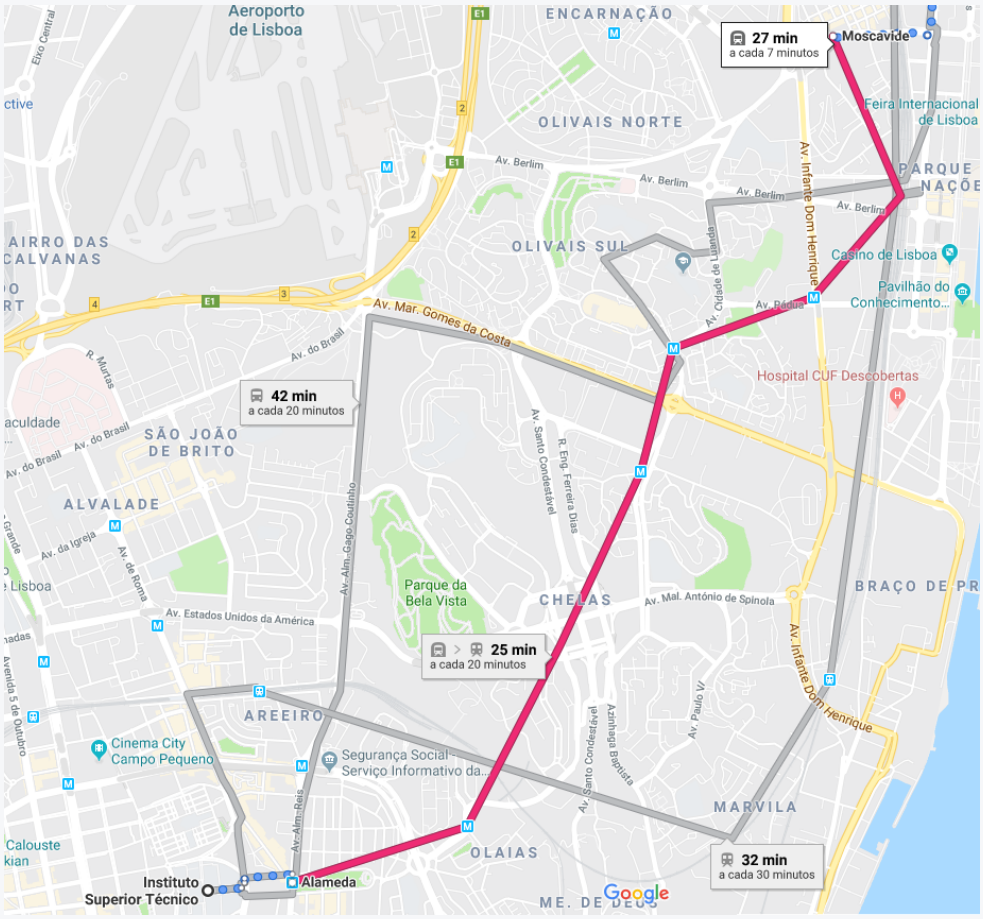
CONTACT: (+351) 218 419 905
RECEPTION IS OPEN 24 HOURS A DAY

ADDRESS: RESIDÊNCIA DE ESTUDANTES ENG. DUARTE PACHECO, AV. D. JOÃO II – LOTE 4.70.02, PARQUE DAS NAÇÕES NORTE – 1990-088 LISBOA

HOW TO GET THERE:

THE AIRPORT HAS A SUBWAY STATION WHICH WILL TAKE YOU TO THE RESIDENCY IN JUST A COUPLE OF STOPS. TAKE THE SUBWAY TOWARDS S. SEBASTIÃO AND STEP OFF AT MOSCAVIDE. THERE YOU'LL HAVE TO WALK TOWARDS PRAÇA DO VENTUROSO AND UP AV. DOM JOÃO II. YOU SHOULD BE THERE IN LESS THAN 9 MINUTES.

FROM THE RESIDENCY TO IST BY SUBWAY: AT THE MOSCAVIDE STATION TAKE THE SUBWAY TOWARDS S. SEBASTIÃO AND STEP OFF AT ALAMEDA OR SALDANHA. THE PATH IN THE OPOSITE WAY IS JUST AS EASY:



RESIDENCE INTERNAL REGULATIONS: HTTPS://NA.TECNICO.ULISBOA.PT/FILES/SITES/38/INTERNAL-REGULATIONS-RDP-PDF-424KB.PDF

PUBLIC TRANSPORT

UBER IS AVAILABLE IN LISBON AND YOU WILL EASILY FIND A TAXI CAB IN THE MOST CENTRAL AREAS OF THE CITY.
IN CASE YOU CAN'T FIND ONE IN A PINCH HERE ARE THE CONTACTS OF A REPUTABLE COMPANY:

RÁDIO TÁXIS DE LISBOA
+351 21 811 9000
+351 91 978 1000
+351 96 953 1660
+351 93 811 9002

TO PLAN YOUR JOURNEYS USING CARRIS (BUSES AND TRAMS) WE ADVISE USING THIS ROUTE SIMULATOR: HTTP://WWW.CARRIS.PT/EN/ROUTES/

THERE'S ALSO THE OPTION OF TAKING A BUS FROM THE AIRPORT TO LISBON. THE AEROBUS (HTTPS://WWW.AEROBUS.PT/EN-GB/HOME-2.ASPX) LEAVES EVERY 10 MINUTES. THIS SERVICE CONNECTS THE AIRPORT TO KEY PARTS OF THE CITY, LIKE SETE RIOS BUS STATION OR ENTRECAMPOS AND CAIS DO SODRÉ TRAIN STATIONS. TO GET STRAIGHT TO IST FROM THE AIRPORT TAKE THE AEROBUS TO THE STOP ALAMEDA D. AFONSO HENRIQUES AND THEN WALK 5 MINUTES.

THE SUBWAY NETWORK IS ALWAYS A CONFORTABLE AND EASY WAY TO GET AROUND THE CITY

CDIAGRAM OF THE SUBWAY NETWORK IN LISBON. CLICK FOR MORE

WHERE TO EAT

THERE ARE LUNCH OPTIONS LOCATED INSIDE IST:
PASTELARIA SENA AT THE NORTH TOWER FLOOR
THE CANTEEN IN THE CONGRESS CENTER BUILDING
THE CANTEEN IN THE MATHEMATICS PAVILION

THERE ARE ALSO MANY AFFORDABLE RESTAURANTES WITHIN WALKING DISTANCE, AVAILABLE FOR LUNCH AND DINNER. WE RECOMMEND HERE JUST A FEW, INCLUDING VEGETARIAN OPTIONS:

- ESPIRAL RESTAURANTE: AVAILABLE FOR LUNCH AND DINNER; ONLY WITH VEGETARIAN OPTIONS.HTTPS://GOO.GL/MAPS/KVBXC2FDQGWFJB3R7

- GOMO: AVAILABLE FOR LUNCH; ONLY WITH VEGETARIAN/VEGAN OPTIONS.
HTTPS://GOO.GL/MAPS/RKT5DOUXREYVVBBJA

- MESA DO BAIRRO: AVAILABLE FOR LUNCH AND DINNER.
HTTPS://GOO.GL/MAPS/7RNW6F99XTSG9NFL7

- À PARTE: AVAILABLE FOR LUNCH AND DINNER.
HTTPS://GOO.GL/MAPS/PN7F34SETO5ZZPKZ9

- HONORATO: AVAILABLE FOR LUNCH AND DINNER.
1HTTPS://GOO.GL/MAPS/TGSWAHW7UPJ6J1I79

- GULA'S FOR KITCHEN LOVERS: AVAILABLE FOR LUNCH.
HTTPS://GOO.GL/MAPS/KHGN8PYYEYX1KNVV6

SHOPPING MALLS:

- ATRIUM SALDANHA
HTTPS://GOO.GL/MAPS/FWUS5JQWGFUMVJZA9

- DOLCE VITA MONUMENTAL
HTTPS://GOO.GL/MAPS/3EJ2DNAVGSKUXNI96

INTERNET ACCESS

EDUROAM CONNECTION IS AVAILABLE ALL OVER THE CAMPUS.
YOU MAY USE THE CREDENTIALS FROM YOUR HOME INSTITUTION.

ALTERNATIVELY, A WI-FI INTERNET ACCESS IS AVAILABLE TO ALL ATTENDEES DURING THE SUMMER SCHOOL, WITH THE FOLLOWING INSTRUCTIONS:

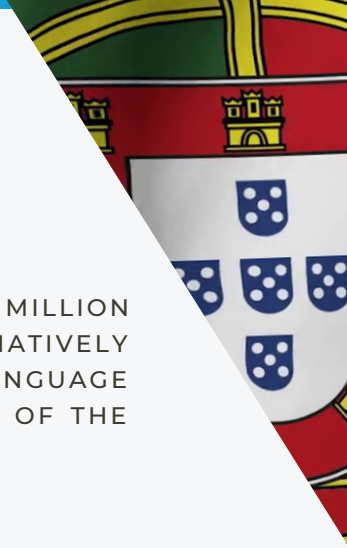
- CONNECT TO THE TEMPORARY NETWORK:

ACCOUNT NAME: SESESUMSCHOOL
PASSWORD: 6R7TKP

RELEVANT LINKS

INSTITUTO SUPERIOR TÉCNICO	WWW.TECNICO.ULISBOA.PT
ISR-LISBOA	HTTP://WELCOME.ISR.TECNICO.ULISBOA.PT
IN+	HTTP://IN3.DEM.IST.UTL.PT
LISBOA MUNICIPALITY	WWW.CM-LISBOA.PT
VISIT LISBOA OFFICIAL SITE:	WWW.VISITLISBOA.COM
ESTORIL COAST TOURISM:	WWW.ESTORILCOAST-TOURISM.COM
CASCAIS MUNICIPALITY:	WWW.CM-CASCAIS.PT
SINTRA MUNICIPALITY:	WWW.CM-SINTRA.PT
OFFICIAL SITE OF TOURISM:	WWW.VISITPORTUGAL.COM
PORTUGAL TRAVEL GUIDE:	WWW.PORTUGALTRAVELGUIDE.COM
FLIGHT ARRIVAL/DEPARTURE TIMES:	WWW.ANA.PT

PORTUGUESE CRASH COURSE



WITH APPROXIMATELY 215 TO 220 MILLION NATIVE SPEAKERS AND 260 MILLION TOTAL SPEAKERS, PORTUGUESE IS USUALLY LISTED AS THE SIXTH MOST NATIVELY SPOKEN LANGUAGE IN THE WORLD, THE THIRD-MOST SPOKEN EUROPEAN LANGUAGE IN THE WORLD IN TERMS OF NATIVE SPEAKERS, AND A MAJOR LANGUAGE OF THE SOUTHERN HEMISPHERE.

OLÁ
HELLO

BOM DIA – BOA TARDE – BOA NOITE
GOOD MORNING / AFTERNOON / NIGHT

OBRIGADO
THANK YOU

DE NADA
YOU'RE WELCOME

POR FAVOR
PLEASE

DESCULPE
EXCUSE ME

ADEUS
GOODBYE

ATÉ LOGO / AMANHÃ
SEE YOU LATER / TOMORROW

ONTEM
YESTERDAY

ESTÁ BEM ?
IS THIS OK ?

QUANTO CUSTA ?
HOW MUCH DOES IT COST ?

QUE HORAS SÃO ?
WHAT TIME IS IT ?

VINHO TINTO/BRANCO
RED/WHITE WINE

PEIXE/CARNE
FISH/MEAT

QUERO IR PARA CASA
I WANT TO GO HOME

GOSTO MUITO DO BENFICA!
I LOVE BENFICA!

LIST OF PARTICIPANTS

CAO, XIN HIT ROBOTICS PHD STUDENT
DU, BO-RAN HIT TRANSPORTATION PHD STUDENT
FU, XIAO-LONG HIT TRANSPORTATION PHD STUDENT
FU, YILI HIT ROBOTICS PROFESSOR
HAN, LEI HIT TRANSPORTATION PROFESSOR, SCHOOL OF ENERGY SCIENCE AND ENGINEERING
LI, HUI-YI HIT TRANSPORTATION PHD STUDENT
LI, XU HIT ROBOTICS PHD STUDENT
LIU, YIXIANG HIT ROBOTICS PHD STUDENT
SHAN, JING-JING HIT TRANSPORTATION PHD STUDENT
SHI, JING-WEN HIT TRANSPORTATION PHD STUDENT
TIAN, YAFU HIT ROBOTICS PHD STUDENT
WANG, ZHENLONG HIT ROBOTICS PROFESSOR
WEI, XIANYU HIT TRANSPORTATION PROFESSOR, SCHOOL OF ENERGY SCIENCE AND ENGINEERING
ZHANG, CHI HIT TRANSPORTATION PHD STUDENT
ZHU, LIN-HAI HIT TRANSPORTATION PHD STUDENT
ZHU, SHIJUN HIT TRANSPORTATION PHD STUDENT
BATISTA, PATRÍCIA IST-IN+ ENERGY RESEARCH FELLOW
DIAS, SANDA IST-IN+ ENERGY RESEARCH FELLOW
FERNANDES, EDGAR IST-IN+ ENERGY PROFESSOR ECE, ISR PRESIDENT
QUINTINO, FILIPE IST-IN+ ENERGY PHD STUDENT
SILVA, CARLOS IST-IN+ ENERGY ASSISTANT PROFESSOR
BERNARDINO, ALEXANDRE IST-ISR ROBOTICS ASSOCIATE PROFESSOR
DEHBAN, ATABAK IST-ISR ROBOTICS PHD STUDENT
MORENO, PLINIO IST-ISR ROBOTICS RESEARCH FELLOW
SANTOS-VICTOR, JOSÉ IST-ISR ROBOTICS PROFESSOR ECE, ISR PRESIDENT
SCHYDLO, PAUL IST-ISR ROBOTICS PHD STUDENT
BEN HAJ KHALIFA, SAIFEDDINE KIT TRANSPORTATION PHD STUDENT
GUISSOUMA, HOUSSEM KIT TRANSPORTATION PHD STUDENT
HUNDHAUSEN, FELIX KIT ROBOTICS PHD STUDENT
LESNIAK, FABIAN KIT TRANSPORTATION PHD STUDENT
LIU, BO KIT TRANSPORTATION PHD STUDENT
NEUBAUER, KEVIN KIT TRANSPORTATION PHD STUDENT
NITZSCHE, SVEN KIT TRANSPORTATION PHD STUDENT
POHL, CHRISTOPH KIT ROBOTICS PHD STUDENT
RUDOLF, THOMAS KIT TRANSPORTATION PHD STUDENT
SCHADE, FLORIAN KIT TRANSPORTATION PHD STUDENT
SHEN, NA KIT TRANSPORTATION PHD STUDENT
STORK, WILHELM KIT TRANSPORTATION PROFESSOR
ZHANG, MENG KIT TRANSPORTATION PHD STUDENT
AI , XIAOJIE SJTU ROBOTICS PHD STUDENT, SCHOOL OF ELECTRONIC, INFORMATION AND ELECTRICAL ENGINEERING
CHEN, WEIDONG SJTU ROBOTICS PROFESSOR
WANG, GUANGMING SJTU ROBOTICS PHD STUDENT, SCHOOL OF ELECTRONIC, INFORMATION AND ELECTRICAL ENGINEERING
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