



PhD Course in
ROBOTICS AND INTELLIGENT MACHINES

Curriculum: Robotics and Intelligent Machines for
Industry 4.0

Schedule of the oral examination

Session1: July 25th h.14:30

Surname	Name	Research subject 1	Research subject 2	Research subject 3	marks (/60)
CANESCHI	ALESSIO	Optimization of collaborative robotic assembly tasks – Univ. Padova			50
TULA	SRIDATH	Human-Robot Interaction for Industry 4.0 and Service Robotics – Univ. Napoli Federico II	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology	Optimization of collaborative robotic assembly tasks – Univ. Padova	40
FAISAL	MUHAMMAD	Intelligent Machines for small batch production - National Research Council – STIIMA	Optimization of collaborative robotic assembly tasks – Univ. Padova	Human-Robot Interaction for Industry 4.0 and Service Robotics – Univ. Napoli Federico II	40
NADIM	MUHAMMAD AMIN	Human-Robot Interaction for Industry 4.0 and Service Robotics – Univ. Napoli Federico II	Planning and coordination of collaborative robot teams for manufacturing applications - National Research Council – STIIMA	Intelligent Machines for small batch production - National Research Council – STIIMA	40
PENTAKOTA	LOHIT KUMAR	Intelligent Machines for small batch production - National Research Council – STIIMA			57
TAYYAB	MUHAMMAD	Mechatronic Technologies for the Smart Factory - Intellimech & Univ. Pisa	Intelligent Machines for small batch production - National Research Council – STIIMA	Learning and Control Methods for Autonomous Robots in Complex Industrial Scenarios – Univ. of Bologna	50
PASQUALI	ALEX	Learning and Control Methods for Autonomous Robots in Complex Industrial Scenarios – Univ. of Bologna			57

BARONCINI	SIMONE	Learning and Control Methods for Autonomous Robots in Complex Industrial Scenarios – Univ. of Bologna			46
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Session 2: July 26th h.14:00

FAUSTI	ROBERTO	Planning and coordination of collaborative robot teams for manufacturing applications - National Research Council – STIIMA			50
ULLAH	ANWAR	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology	Human-Robot Interaction for Industry 4.0 and Service Robotics – Univ. Napoli Federico II	Planning and coordination of collaborative robot teams for manufacturing applications - National Research Council – STIIMA	40
RAMZAN	MUHAMMAD TAHA	Human-Robot Interaction for Industry 4.0 and Service Robotics – Univ. Napoli Federico II	Learning and Control Methods for Autonomous Robots in Complex Industrial Scenarios – Univ. of Bologna	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology	45
MAHDIZADEH	OMID	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology	Mechatronic Technologies for the Smart Factory - Intellimech & Univ. Pisa		41
SILENZI	SIMONE	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology	Mechatronic Technologies for Intelligent Machines - Intellimech & Univ. Pisa	Mechatronic Technologies for the Smart Factory - Intellimech & Univ. Pisa	57
SANTOPAOLO	ALESSANDRO	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology			57
ZHANG	HENG	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology			40

CARUSO	EMANUELE	Swarms of Heterogeneous Soft Robots - National Research Council - ISTC			50
MARTINI	MICHELE	Swarms of Heterogeneous Soft Robots - National Research Council - ISTC			55

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Session 3: July 27th, h.9:00

LOZER	FEDERICO	Robotic trajectory planning for industrial sustainability – Univ. Udine			51
SAEED	ANJUM	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	Cooperative and collaborative control for mobile manipulators – Univ. Basilicata	New protocols and control algorithms for closer human-robot cooperation - Polytechnic University of Marche	49
NAEEM	BISMA	Cooperative and collaborative control for mobile manipulators – Univ. Basilicata	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	Swarms of Heterogeneous Soft Robots - National Research Council - ISTC	40
CROTTI	MATTEO	Mechatronic Technologies for Intelligent Machines - Intellimech & Univ. Pisa	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	Swarms of Heterogeneous Soft Robots - National Research Council - ISTC	49
CARADONNA	DANIELE	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	Mechatronic Technologies for Intelligent Machines - Intellimech & Univ. Pisa		53
DE BENEDITTIS	DAVIDE	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	Advanced Human-Robot Interaction and Collaboration – Italian Inst. Of Technology	Mechatronic Technologies for the Smart Factory - Intellimech & Univ. Pisa	49

MEHMOOD	YASIR	Mechatronic Technologies for the Smart Factory - Intellimech & Univ. Pisa	Learning and Control Methods for Autonomous Robots in Complex Industrial Scenarios – Univ. of Bologna	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	40
SIMONINI	GIORGIO	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa			40
TOLOMEI	SIMONE	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa			40

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Session 4: July 27th, h. 14:00

STRACCA	ELENA	Planning and control strategies for robotic manipulators embedding elastic elements for efficient manipulation – Univ. Pisa	Mechatronic Technologies for the Smart Factory - Intellimech & Univ. Pisa	Optimization of collaborative robotic assembly tasks – Univ. Padova	44
EMAM	EMAD ASHRAF MOHAMED KAMEL	Swarms of Heterogeneous Soft Robots - National Research Council - ISTC	New protocols and control algorithms for closer human-robot cooperation - Polytechnic University of Marche	Planning and coordination of collaborative robot teams for manufacturing applications - National Research Council – STIIMA	43
BAJRAMI	ALBIN	New protocols and control algorithms for closer human-robot cooperation - Polytechnic University of Marche	Swarms of Heterogeneous Soft Robots - National Research Council - ISTC	Multimodal Sensing for Robot Self-aware Control – Univ. Genova	52
STAIANO	MARCO	Multimodal Sensing for Robot Self-aware Control – Univ. Genova			50
BALUGANI	FEDERICO	Development of CAE-based tools for electronic cams optimization – Univ. Genova			52

CARRIERO	GRAZIANO	Cooperative and collaborative control for mobile manipulators – Univ. Basilicata	51
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