

Program of the 10th Italian Forum on Ambient Assisted Living

TIME	SALA BOXE	AULA DIDATTICA	SALA DELLE POLVERI	POSTER AREA	AUDITORIUM	BREAK AREA	REGISTRATION AREA
JUNE 19, 2019							
From 8:30							REGISTRATION
9:30 - 10:45					OPENING CEREMONY		
10:45 - 11:15						COFFEE BREAK	
11:45 - 12:30					TECHNICAL KEYNOTE Akihiko Sugiyama		
12:30 - 13:45						LUNCH	
13:50 - 15:30			TECHNICAL SESSION "Under35 Researcher #1"				
15:35 - 16:20					TECHNICAL KEYNOTE Saraju P. Mohanty		
16:20 - 16:50						COFFEE BREAK	
16:50 - 18:30			TECHNICAL SESSION "Under35 Researcher #2"				
JUNE 20, 2019							
From 8:30							REGISTRATION
9:00 - 10:20			TECHNICAL SESSION "Under35 Researcher #3"				
10:25 - 11:10					TECHNICAL KEYNOTE Paolo Dario		
11:10 - 11:40						COFFEE BREAK	
11:40 - 13:00		TECHNICAL SESSION "Human Monitoring and Smart Care"	TECHNICAL SESSION "Smart Environments"		ROUND TABLE Researchers and designers meet users		
13:00 - 14:30						LUNCH	
14:30 - 16:10					ROUND TABLE Cluster of the Smart Living Technologies (Cluster TAV)		
16:10 - 16:40						COFFEE BREAK	
16:40 - 18:20	TECHNICAL SESSION "Assistive Technologies Applications"	TECHNICAL SESSION "Under35 Researcher #4"	TECHNICAL SESSION "Under35 Researcher #5"				
From 20:00	SOCIAL DINNER "Il Passetto Restaurant"						
JUNE 21, 2019							
From 8:30							REGISTRATION
9:00 - 10:20			TECHNICAL SESSION "Assistive Technologies Projects"				
10:20 - 11:10				POSTER SESSION			
10:40 - 11:10						COFFEE BREAK	
11:10 - 12:30			TECHNICAL SESSION "Assistive Technologies Design"				
12:35 - 13:15			CLOSING CEREMONY				
13:15 - 14:30						LUNCH	

LEGENDA

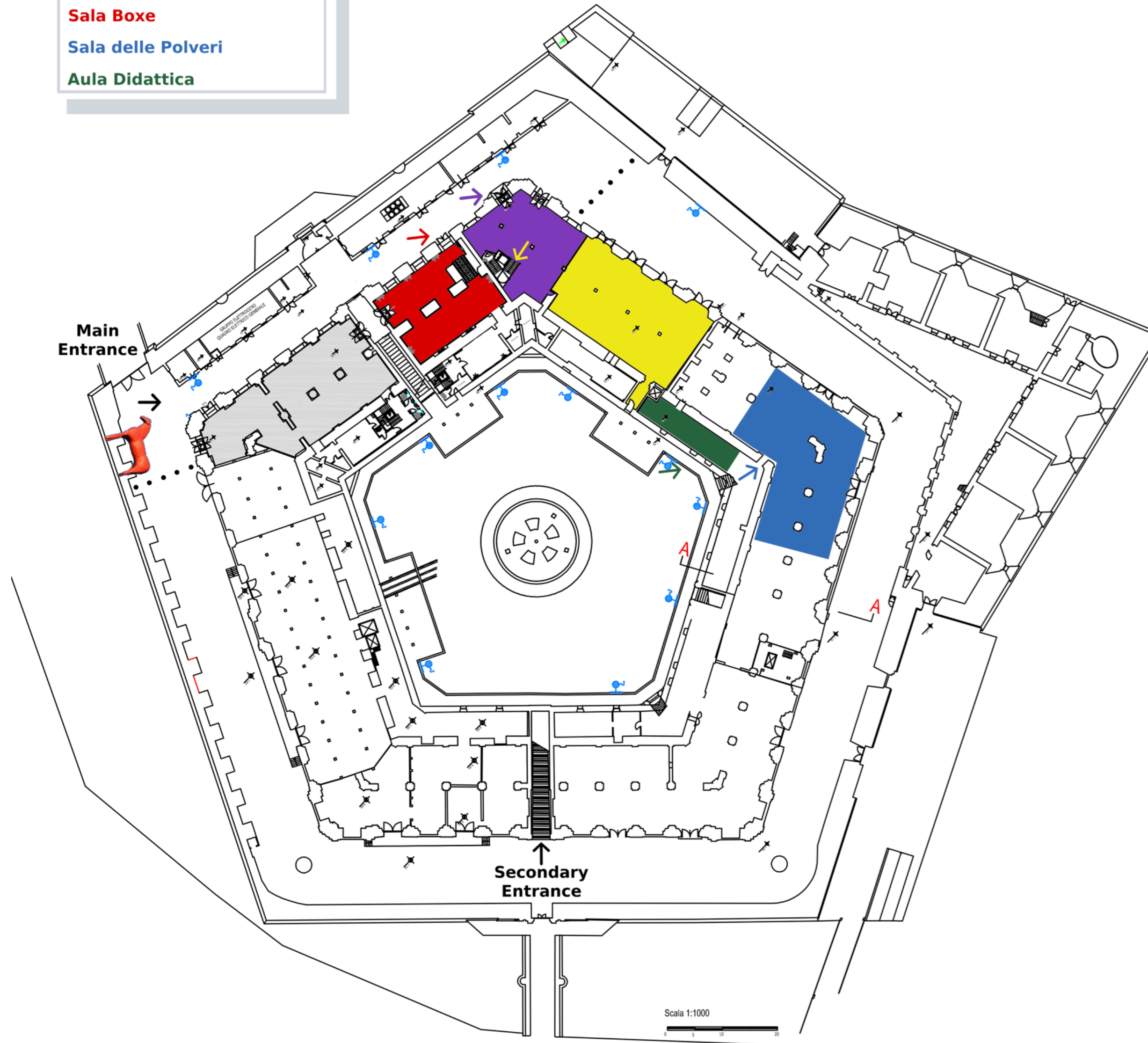
Reception Desk / Break Area

Auditorium

Sala Boxe

Sala delle Polveri

Aula Didattica



June 19, 2019

From 8:30	REGISTRATION <i>ROOM: Registration Area (Ground Level)</i>
9:30 - 10:45	OPENING CEREMONY OF THE 10TH ITALIAN FORUM ON AMBIENT ASSISTED LIVING <i>ROOM: Auditorium (1st Level)</i>
10:45 - 11:15	COFFEE BREAK <i>ROOM: Break Area (Ground Level)</i>
11:45 - 12:30	TECHNICAL KEYNOTE: Akihiko Sugiyama, "Signal Processing for Robot Audition: how signal processing helps a robot recognize user commands in adverse environment" <i>ROOM: Auditorium (1st Level)</i>
12:30 - 13:45	LUNCH <i>ROOM: Break Area (Ground Level)</i>
	TECHNICAL SESSION: "Under35 Researcher #1" <i>ROOM: Sala delle Polveri</i>
13:50 - 14:10	Evaluation of MCI motor performances during a cognitive dual task exercise <i>Gianmaria Mancioffi, Laura Fiorini, Maria Critelli, Marco Timpano, Filippo Cavallo, Erika Rovini</i>
14:10 - 14:30	TestGraphia, document analysis-based software system for the diagnosis of dysgraphia <i>Giovanni Dimauro, Davide Di Piero, Lucio Colizzi</i>
14:30 - 14:50	Cognitive buildings for increasing elderly fire safety in public buildings: design and first evaluation of a low-impact dynamic wayfinding system <i>Gabriele Bernardini, Lucio Ciabattoni, Enrico Quagliarini, Marco D'Orazio</i>
14:50 - 15:10	Re-design of the household appliance UI to make it an adaptive system <i>Francesca Gullà, Alessandra Papetti, Agnese Brunzini, Michele Germani</i>
15:10 - 15:30	Analysis of digital tools for the inclusion of migrants <i>Liviya Kazantseva, Paola Nicolini</i>
15:35 - 16:20	TECHNICAL KEYNOTE: Saraju P. Mohanty, "Consumer Technologies for Smart Cities" <i>ROOM: Auditorium (1st Level)</i>
16:20 - 16:50	COFFEE BREAK <i>ROOM: Break Area (Ground Level)</i>
	TECHNICAL SESSION: "Under35 Researcher #2" <i>ROOM: Sala delle Polveri</i>
16:50 - 17:10	Analysis of skeletal muscles contractility using smart sEMG-based Socks <i>Lucia Giampetrucci, Gabriele Rescio, Alessandro Leone, Pietro Siciliano</i>
17:10 - 17:30	ErrP signals detection for safe navigation of a smart wheelchair <i>Lucio Ciabattoni, Francesco Ferracuti, Alessandro Freddi, Sabrina Iarlori, Sauro Longhi, Andrea Monteriù</i>
17:30 - 17:50	"In Bed" BCG signal analysis <i>Ennio Gambi, Linda Senigagliesi, Elisea Creato, Manola Ricciuti</i>
17:50 - 18:10	Characterization of a PPG wearable sensor to be embedded into an innovative ring-shaped device for healthcare monitoring <i>Laura Fiorini, Filippo Cavallo, Mihail Martinelli, Erika Rovini</i>
18:10 - 18:30	Postural stability evaluation using wearable wireless sensor <i>Paola Pierleoni, Alberto Belli, Lorenzo Palma, Michele Paoletti, Sara Raggiunto, Federica Pinti</i>

June 20, 2019

From 8:30	REGISTRATION ROOM: Registration Area (Ground Level)		
			TECHNICAL SESSION: "Under35 Researcher #3" ROOM: Sala delle Polveri
9:00 - 9:20			Humanoid robotics for patients with sarcopenia: a preliminary study on interaction features <i>Claudia Porfirione, Francesco Burlando</i>
9:20 - 9:40			Elders prefer female robots with a high degree of human likeness <i>Anna Esposito, Terry Amorese, <u>Maria Lucia Cuciniello</u>, Antonietta Esposito, Ilaria Pica, Maria Teresa Riviello, Alda Troncone, Gennaro Cordasco</i>
9:40 - 10:00			Preliminary study of brain-inspired model for multimodal human behavior detection in social context <i>Alessandra Sorrentino, Laura Fiorini, Gianmaria Manciozzi, Olivia Nocentini, Filippo Cavallo</i>
10:00 - 10:20			Elderly people, design and robots: introduction to CloudIA research project <i>Francesca Tosi, Mattia Pistolesi, <u>Claudia Becchimanzi</u></i>
10:25 - 11:10	TECHNICAL KEYNOTE: Paolo Dario, "Robotics in the future" ROOM: Auditorium (1st Level)		
11:10 - 11:40	COFFEE BREAK ROOM: Break Area (Ground Level)		
		TECHNICAL SESSION: "Human Monitoring and Smart Care" ROOM: Aula Didattica	TECHNICAL SESSION: "Smart Environments" ROOM: Sala delle Polveri
11:40 - 12:00	ROUND TABLE "Researchers and designers meet users" ROOM: Auditorium (1st Level)	Detecting user's behavior shift with sensorized shoes and stigmergic perceptrons <i>Paolo Barsocchi, Nicola Carbonaro, Mario Giovanni C.A. Cimino, Davide La Rosa, Filippo Palumbo, Alessandro Tognetti, Gigliola Vaglini</i>	Smart cities: a new relationship between people and technologies <i>Laura Burzagli</i>
12:00 - 12:20		A vision-based approach for the at home assessment of postural stability in Parkinson's disease <i>Claudia Ferraris, Roberto Nerino, Antonio Chimienti, Lorenzo Priano, Alessandro Mauro</i>	Designing, implementing and testing an IoT based home system for integrated care services <i>Massimiliano Bologna Malavasi, Lisa Cesario, Valentina Fiordelmondo, Arianna Gherardini, Evert-Jan Hoogerwerf, Chiara Lepore, Carlo Montanari, Lorenzo Desideri</i>
12:20 - 12:40		Monitoring patients with fragilities in the context of de-hospitalization services. An Ambient Assisted Living healthcare framework for e-Health applications <i>Emilio Sulis, Ilaria Angela Amantea, Guido Boella, Clara Cena, Roberta Fruttero, Sara Traina, Pierluigi De Cosmo, Lucrezia Armando; Renata Marinello, Dario Bianca; Enrico Brunetti, Alessandra Bianco, Francesco Cattell, Mario Bo, Luca Carlo Feletti, Serena Ambrosini</i>	Technological Infrastructure supports new paradigm of care for healthy aging: The Living Lab Ausilia <i>Andrea Grisenti, Giandomenico Nollo, Michela Dalprà, Francesco De Natale, Mariolino De Cecco, Andrea Francesconi, Alberto Fornaser, Paolo Tomasin, Nicola Garau, Luca Guandalini, Barbara Bauer, Barbara Gasperini, Patrizia Ianes, Giovanni Guandalini, Francesco Pilla</i>
12:40 - 13:00		Analysis of human behavior in five healthcare centers for the development of new technologies, in support of the improvement of life quality <i>Margherita Rampioni, Paola Nicolini, Luigi Mandolini</i>	The design of an innovative cohousing complex for independent living experiences with innovative AAL solutions <i>Massimiliano Malavasi, Stefano Martinuzzi, Maria Rosaria Motolese, Maria Rita Serra, Alberto Manzoni</i>
13:00 - 14:30		LUNCH ROOM: Break Area (Ground Level)	
14:30 - 16:10	ROUND TABLE: "Cluster of the Smart Living Technologies" (Cluster TAV) ROOM: Auditorium (1st Level)		
16:10 - 16:40	COFFEE BREAK ROOM: Break Area (Ground Level)		
	TECHNICAL SESSION: "Assistive Technologies Applications" ROOM: Sala Boxe	TECHNICAL SESSION: "Under35 Researcher #4" ROOM: Aula Didattica	TECHNICAL SESSION: "Under35 Researcher #5" ROOM: Sala delle Polveri
16:40 - 17:00	Classification of cardiac tones of mechanical and native mitral valves <i>Giovanni Dimauro, Danilo Caivano, Marco Matteo Ciccone, Giovanni Dalena, Francesco Girardi</i>	Measuring environmental data and physiological parameters at home to assess the caregiver burden in caregivers of people with dementia <i>Sara Casaccia, Andrea Calvaresi, Nicole Morresi, Lorenzo Scalise, Andrea Monteriù, Luca Romeo, Emanuele Frontoni, Gian Marco Revel</i>	An RFID system as assistive device for frail people <i>Bruno Andò, Salvatore Baglio, Salvatore Castorina, <u>Ruben Crispino</u>, Vincenzo Marletta</i>
17:00 - 17:20	Multi Sensorial Stimulation Lab: a new approach for severe dementia <i>Alberto Boccadamo, Alessandra De Luca, Luca Palama, Alessandro Leone, Giovanni Diraco, Pietro Siciliano, Antonio Toma, Michele Maffia, Lidia De Riccardis, Leonardo D'Alessandro, Gianfranco Borrelli, Massimo Pistoia</i>	BrainControl AAC: an assistive technology for daily activities <i>Pasquale Fedele, <u>Chiara Fedele</u></i>	Integrated consumer technologies for older adults' quality of life improvement: the vINCI Project <i>Susanna Spinsante, <u>Annachiara Strazza</u>, Ciprian Dobre, Lidia Bajenaru; Constandinos X. Mavromoustakis, Jordi Mongay Batalla, Piotr Krawiec, George Georgescu, Gregor Molan, Horacio Gonzalez-Velez, Anna Marie Herghelegiu, Gabriel Ioan Prada, Rozeta Draghici</i>
17:20 - 17:40	Active Paintings. Design project for a portable exhibition for people with dementia or cognitive impairment <i>Andrea Lupacchini, Andrea Chiara Daniso, Mirco Palpacelli</i>	Action recognition to estimate Activities of Daily Living (ADL) of elderly people <i><u>Matteo Gabrielli</u>, Pietro Leo, Fabrizio Renzi, Sonia Bergamaschi</i>	A cross-protocol proxy for sensor networks based on CoAP <i>Luisiana Sabbatini, Paola Pierleoni, Alberto Belli, Lorenzo Palma, <u>Lorenzo Incipini</u>, Sara Raggiunto, Roberto Concelli</i>
17:40 - 18:00	Electrocardiogram-derived respiratory signal in sleep apnea by segmented beat modulation method <i>Agnese Sbrollini, Ilaria Marcantoni, Amnah Nasim, Micaela Moretini, Laura Burattini</i>	Voice Actuated Control System (VACS) for accessible and assistive smart homes. A preliminary investigation on accessibility and user experience with disabled users <i><u>Fabio Masina</u>, Patrik Pluchino, Valeria Orso, Riccardo Ruggiero, Giulia Dainese, Ilaria Marneli, Stefania Volpato, Daniela Mapelli, Luciano Gamberini</i>	ICF-based classification to bridge the gap between end-users and AAL solutions <i>Francesca Fracasso, Gabriella Cortellessa, Karen Coan, Gilbert Regan, Pierre Rossel, <u>Alessandro Umbrico</u>, Amedeo Cesta</i>
18:00 - 18:20	Integrated ICT system for the implementation of rehabilitation therapy for Alzheimer's patients and for the improvement of quality and efficiency in managing their health: the Rehab-Dem Project <i>Massimo Pistoia, Paolo Casacci</i>	How would do that? An agile elicitation technique to explore users' spontaneous gestural commands <i><u>Valeria Orso</u>, Alice Bettelli, Luca Zamboni, Luciano Gamberini</i>	Probabilistic logic reasoning in multi-agent based smart home environment <i>Dagmawi Neway Mekuria, Paolo Sernani, Nicola Falcionelli, Aldo Franco Dragoni</i>
From 20:00	GALA DINNER "Il Passetto Restaurant"		

June 21, 2019

From 8:30	REGISTRATION <i>ROOM: Registration Area (Ground Level)</i>
	TECHNICAL SESSION: "Assistive Technologies Projects" <i>ROOM: Sala delle Polveri</i>
9:00 - 9:20	Sitting posture assessment by a flexible inkjet printed solution and its integration in the NATIFLife Architecture <i>Bruno Andò, Salvatore Baglio, Salvatore Castorina, Ruben Crispino, Salvatore Graziani, Vincenzo Marletta</i>
9:20 - 9:40	Preliminary analysis of the OPENCARE system architecture in residential facilities <i>Vera Stara, Paolo Olivetti, Ennio Gambi, Adelmo De Santis, Rossana Galassi</i>
9:40 - 10:00	MAESTRO, an integrated quality assurance framework for seniors <i>Marie-Laure Watrinet, Francesca Fracasso</i>
10:00 - 10:20	Technological literacy for enhancing the health of older people <i>Roberta Bevilacqua, Stefano Strano</i>
10:20 - 11:10	POSTER SESSION: "IEEE ISCT2019 Special Track on Ambient Assisted Living Solutions" <i>ROOM: Poster Area (1st Level)</i>
	A cross-protocol proxy for sensor networks based on CoAP <i>Luisiana Sabbatini, Paola Pierleoni, Alberto Belli, Lorenzo Palma, Lorenzo Incipini, Sara Raggiunto, Roberto Concetti</i>
	Action recognition to estimate Activities of Daily Living (ADL) of elderly people <i>Matteo Gabrielli, Pietro Leo, Fabrizio Renzi, Sonia Bergamaschi</i>
	Designing, implementing and testing an IoT based home system for integrated care services <i>Massimiliano Bologna Malavasi, Lisa Cesario; Valentina Fiordelmondo, Arianna Gherardini, Evert-Jan Hoogerwerf, Chiara Lepore, Carlo Montanari, Lorenzo Desideri</i>
	Detecting User's Behavior Shift with Sensorized Shoes and Stigmergic Perceptrons <i>Paolo Barsocchi, Nicola Carbonaro, Mario Giovanni C.A. Cimino, Davide La Rosa, Filippo Palumbo, Alessandro Tognetti, Gigliola Vaglini</i>
	Elders prefer female robots with a high degree of human likeness <i>Anna Esposito, Terry Amorese, Marialucìa Cuciniello, Antonietta Esposito, Ilaria Pica, Maria Teresa Rivello, Alda Troncone, Gennaro Cordasco</i>
	Electrocardiogram-Derived Respiratory Signal in Sleep Apnea by Segmented Beat Modulation Method <i>Agnese Sbröllini, Ilaria Marcantoni, Amnah Nasim, Micaela Morettini, Laura Burattini</i>
	ErrP signals detection for safe navigation of a smart wheelchair <i>Lucio Ciabattoni, Francesco Ferracuti, Alessandro Freddi, Sabrina Iarlori, Sauro Longhi, Andrea Monterù</i>
	Evaluation of MCI motor performances during a cognitive dual task exercise <i>Gianmaria Mancioffi, Laura Fiorini, Maria Critelli, Marco Timpano, Filippo Cavallo, Erika Rovini</i>
	Integrated consumer technologies for older adults' quality of life Improvement: the VINCI Project <i>Susanna Spinsante, Annachiara Strazza, Ciprian Dobre, Lidia Bajenaru, Constandinos X. Mavromoustakis, Jordi Mongay Batalla, Piotr Krawiec, George Georgescu, Gregor Molan, Horacio Gonzalez-Velez, Anna Marie Herghelegiu, Gabriel Ioan Prada, Rozeta Draghici</i>
	Postural stability evaluation using wearable wireless sensor <i>Paola Pierleoni, Alberto Belli, Lorenzo Palma, Michele Paoletti, Sara Raggiunto, Federica Pinti</i>
	Re-design of the household appliance UI to make it an adaptive system <i>Francesca Gullà, Alessandra Papetti, Agnese Brunzini, Michele Germani</i>
	User-centered co-design and AGILE methodology for developing ambient assisting technologies <i>Francesco Tessarolo, Giandomenico Nollo, Valentina Conotter, Giulia Onorati, Evdokimos Konstantinidis, Despoina Petsani, Panagiotis Bamidis</i>
10:40 - 11:10	COFFEE BREAK <i>ROOM: Break Area (Ground Level)</i>
	TECHNICAL SESSION: "Assistive Technologies Design" <i>ROOM: Sala delle Polveri</i>
11:10 - 11:30	The uncanny theory under scrutiny <i>Leopoldina Fortunati, Joachim Höflich, Anna Maria Manganelli, Elisa Tosello, Giovanni Ferrin</i>
11:30 - 11:50	An obstacle avoidance strategy using an indoor localization system <i>Bruno Andò, Luciano Cantelli, Salvatore Castorina, Ruben Crispino, Dario Guastella, Vincenzo Marletta, Giovanni Muscato</i>
11:50 - 12:10	Anticipation theory application in AAL: technology readiness level achieved through smart specialization strategy development in Apulia region <i>Gaetano Grasso, Marco Di Ciano, Marianna Cavone</i>
12:10 - 12:30	User-centered co-design and AGILE methodology for developing ambient assisting technologies <i>Francesco Tessarolo, Giandomenico Nollo, Valentina Conotter, Giulia Onorati, Evdokimos Konstantinidis, Despoina Petsani, Panagiotis Bamidis</i>
12:35 - 13:15	CLOSING CEREMONY OF THE 10TH ITALIAN FORUM ON AMBIENT ASSISTED LIVING <i>ROOM: Sala delle Polveri</i>
13:15 - 14:30	LUNCH <i>ROOM: Break Area (Ground Level)</i>