THE CONGRESS CITADEL IN THE CITY CENTRE

The three venues of the Congress Citadel are located one in front of the other

www.interspeech2011.org
INTERSPEECH 2011
Firenze Italy
Speech Science and Technology for Real Life

27-31 August 2011
Firenze Fiera - Conference Center
Firenze, Italy

www.interspeech2011.org
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Welcome to Interspeech 2011

Message by the ISCA President

On behalf of the International Speech Communication Association (ISCA), welcome to INTERSPEECH 2011 in Florence. This conference is the 12th in the long cycle that bears the INTERSPEECH label and that already includes conferences in such wonderful venues as Beijing, Aalborg, Denver, Geneva, Jeju, Lisbon, Pittsburgh, Antwerp, Brisbane, Brighton, and Makuhari. Like many of you, I attended the EUROSPEECH conference in Genoa, in 1983, and I am looking forward to another successful conference in this wonderful country.

In this conference, the community honours Prof. Julia Hirschberg as the ISCA Medalist for 2011. It is a particular privilege for me to present this medal to such a great friend and mentor.

We shall also recognize several other ISCA members who, for their technical merit and service to the Association, were recently elected as ISCA Fellows: Abeer Alwan, Li Deng, Adrian Fourcin, Hynek Hermansky, Bruce Millar, and Richard Stern.

INTERSPEECH 2011 has already broken a record: 1439 papers submitted, making it the largest spoken language conference ever in the long history of our interdisciplinary events. Approximately 57% of the regular papers were selected for presentation after the peer review process, with 3 or 4 reviews for each paper. This success is due to the excellent work of a very hard working team of Italian colleagues led by Professors Piero Cosi and Renato di Mori, Chair and Co-Chair of this conference, and on the Technical program side by Doctors Roberto Pieraccini and Giuseppe di Fabbri. I cannot thank you all enough! I only hope that the number of participants also breaks another record, so that we can gather in this wonderful city the largest spoken language community ever, to enjoy the excellent technical and social program that you prepared for us.

The quality of our conferences was recently recognized by the inclusion of past proceedings in major citation indexes: ISI, Engineering Index, Scopus, and DBLP, besides having the full text of the papers indexed in both Google search results and Google scholar search results. Thanks to all the volunteers who have helped with this indexing task! The growing success of our conferences gives us so many good reasons to look forward to the next events in Portland (2012), Lyon (2013) and Singapore (2014).

In what is my last message as ISCA President, I would like to take this opportunity to thank the whole community for the invaluable support you have given to the Association during my term, in many different capacities: as participants in ISCA’s events, as reviewers, as Area Coordinators, as SIG coordinators, as SAC members, as Distinguished Lecturers, as Fellows, as newsletter and archive coordinators, as event organizers, and as Board members. I am very proud of having been President of such an Association, and seeing it grow into such a high and professional level. Thanks to the generosity of several INTERSPEECH organizers, we have now reached a stage in which ISCA can finally do much more for its members. I will never get tired of thanking you all again and again. So, please give me a chance of saying thanks once more, by coming to the General Assembly, to hear about our efforts to follow your survey suggestions, and to tell us about your ideas on how we should promote speech science and technology research all over the world.

It has been a great privilege to work with so many Friends.

Isabel Trancoso
ISCA President
Message by the General Chairs

Dear Colleague,

on behalf of the organising team, it is with great personal pleasure that we welcome you to Florence and to INTERSPEECH-2011: the 12th Annual Conference of the International Speech Communication Association (ISCA).

The theme of this year’s conference is “Speech science and technology for real life”, and the city of Florence is an ideal location for stimulating discussions and creativity on this theme. In fact, Florence is the source of the Italian spoken and written language thanks to extraordinary talent of Dante Alighieri, author of the masterpiece, la Divina Commedia. Furthermore, in the region around Florence were born and worked eminent scientists, such as Leonardo da Vinci and Galileo Galilei who contributed with impressive discoveries to the development of science and technology for real life.

Florence stands on the banks of the Arno River, in a hollow surrounded by the first Chianti hills to the south and the Fiesole hills to the north; these hills are green and undulating dotted with small towns and isolated characteristic villages. As city of art and culture, Florence is the destination of a high proportion of International tourism. Originally a Roman centre (Florentia), it began to acquire a certain importance under the Carolingians but its fortunes date from the time (1115) of its constitution as a Republic.

In the 13th beginning 14th centuries, aided by increasing economic importance it starts a policy of expansion directed at the largest Tuscan towns. In 1406, once Pisa had fallen, only Siena and Lucca remained free of Florentine rule.

Shortly after (1434), the Republic became a Signoria under the Medici family. Under this Signoria the town gained great masterpieces by the foremost artists of the time (Brunelleschi, Donatello, Botticelli, Masaccio, etc.) becoming the most important European centre of Renaissance culture. The Renaissance was a rebirth that occurred throughout most of Europe. However, the changes that we associate with the Renaissance first occurred in Florence and continued to be more pervasive there than anywhere else. The city’s economy and its writers, painters, architects, and philosophers all made Florence a model of Renaissance culture. Fifteenth century Florence was an exciting place to be. In 1425 the city had a population of 60,000 and was a self-governed, independent city-state.

Twelve artist guilds that regulated the trades were the basis of Florence's commercial success. Members of the guilds, who were wealthy and held positions in government, were some of Florence's most influential people in society and politics. Because of its strong economy and a political philosophy that was dedicated to the welfare of the city, Florence thrived. The most powerful guilds were those that represented textile workers. Much of Florence’s wealth was dependent on the manufacture or trade of cloth, primarily wool. Wool of superior quality was often purchased unfinished and untreated from England and Iberia. Florentine textile workers then cleaned, carded, spun, dyed, and wove the wool into cloth of excellent quality. They sold the finished material in Italy, northern European cities, and even in eastern countries. Other textile experts purchased inferior cloth from northern cities and refinished it to create a superior product.

Because Florence was not a port city like Venice, sea trade was not a primary source of its income. Banking, however, was. Many families of Florence, beginning in the thirteenth century, were successful bankers. The Florentine gold coin known as the florin was of such reliable purity that it was the standard coinage throughout Europe. Florentine bankers were known throughout Europe as well, for they established banking houses in other important cities such as London, Geneva, and Bruges (Belgium).

The Palazzo Vecchio, constructed in 1299, was the home of the Florentine guilds. Then, as well as today, it functioned as the seat of municipal government and the heart of Florentine culture. It was here that the city's 5,000 guild members, who had the power of the vote, gathered to discuss and determine city issues. In addition to textile workers and bankers, the guild members included masons and builders, sculptors, lawyers, and solicitors.

When the Medici family died out, the Lorenas gained power in 1737 and, apart from the Napoleonic period (1800-1815), governed Florence and the region until 1859, the year in which Duke Leopold II was expelled and Tuscany became part of the Kingdom of Italy. Florence contains an exceptional artistic patrimony, glorious testimony to its secular civilization. Cimabue and Giotto, the fathers of Italian painting, lived here, along with Arnolfo and Andrea Pisano, reformists of architecture and sculpture; Brunelleschi, Donatello and Masaccio, founders of the Renaissance; Ghiberti and the Della Robbia; Filippo Lippi and l'Angelico; Botticelli and Paolo Uccello; the universal geniuses Leonardo and Michelangelo.

Their works, along with those of many generations of artists up to the masters of the present century, are gathered in the city's many museums. In Florence, thanks to Dante, the Italian language was born; with Petrarch and Boccaccio
literary studies were affirmed; with Humanism the philosophy and values of classical civilization were revived; with Machiavelli modern political science was born; with Guicciardini, historical prose; and with Galileo, modern experimental science. Since the time of Charlemagne, Florence was a university town. Today it includes many specialized institutes and is an International cultural center. Academies, art schools, scientific institutes and cultural centres all contribute to the city's intense activity.

In harmony with the Conference theme, the 2011 ISCA medallist The Interspeech 2011 Organising committee is pleased to announce the following distinguished keynote speakers to give plenary talks at the conference, professor Julia Hirschberg will deliver a keynote speech entitled Speaking More Like You: Entrainment in Conversational Speech, professor Tom Mitchell will talk about Neural Representations of Word Meanings and professor Sandy Pentland will talk about Honest Signals.

In a round-table organized by professor Giuseppe Riccardi, plenary and keynote chair, the theme Future and Applications of Speech and Language Technologies for the Good Health of Society will be discussed. The following distinguished keynote speakers will share their research and vision: professor Gabriele Miceli: Language disorders: viewpoints on a complex object, professor Björn Granström: Speech technology in (re)habilitation of persons with communication disabilities, professor Hiroshi Ishiguro: From teleoperated androids to cellphones as surrogates.

The following special sessions, organized by the chairs Amanda Stent and Mauro Falcone, on topics related to the conference theme will take place:

Speech and language processing based assistive technologies and health applications, Crowdsourcing for speech processing, Spoken language processing of human-human conversations, Speech and audio processing for human-robot interaction, Speech Technology for Under-Resourced Languages.

In addition to a wide-scope tutorial program prepared by the chair Maurizio Omologo, there will be two special events: Speech Processing Tools and Speaker State Challenge. A show and tell session will be rich of state of the art prototype demonstrations.

This year we received an almost record number of submissions: 1438. These were carefully reviewed under the control of the 24 Area Coordinators so that the final accept/reject decisions could be made at the Technical Programme Committee chaired by Roberto Pieraccini and Giuseppe Di Fabbrizio in the meeting held in Rome at the end of May. This careful selection process resulted in the acceptance of 848 papers (746 in the main programme and 102 in special sessions).

As well as the scientific programme, we have also arranged a series of social events and activities.

An event the size of INTERSPEECH cannot take place without the help and support of large a number of individuals, many of whom give their services freely despite the many other calls on their time. We would particularly like to thank Roberto Pieraccini and Giuseppe Di Fabbrizio, Technical Programme Chairs for handling smoothly a large amount of revisions, the communication with the Area Chairs, the reviewers and the authors as well as other technical and logistic problems.

We would also like to thank the other chairs mentioned above for performing their duties in a professional way and providing valuable help and advice.

We would particularly like to thank the fund raising chair Andrea Paoloni and our generous sponsors for their substantial contribution.

We are especially grateful to the to the whole Italian Speech Communication Community and in particular to the Italian National Research Council (CNR) and to the Italian ISCA-SIG Group AISV (Associazione Italiana di Scienze della Voce) for their contribution in bringing a large conference such as INTERSPEECH to Italy.

Finally, we would like to thank the Authors who submitted a paper to this conference, the Reviewers for diligently evaluating the submissions, the Area Chairs for putting together a varied and high-quality programme, and the Session Chairs and Student Helpers for ensuring a smooth running of the event itself.

We do hope that you will have an enjoyable and productive time here in Florence.

_Piero Cosi and Renato De Mori_,

Interspeech 2011, Conference Chairs
Message by the Technical Chairs

Welcome to Florence and Interspeech 2011.

To truly appreciate the amount of work that goes into managing and creating the technical program of a conference the size of Interspeech, one must experience it firsthand. We would like to give you some insights into its complexity, not to scare away those who will be technical program chairs in the future, but to actually help them plan for their work. Even though the process was arduous, we enjoyed every minute of it. It allowed us to establish an exciting team spirit among the chairs and the Area Coordinators and create a virtual contact between us and almost every participant to the conference. And more than that, it was a unique human and learning experience which we will always remember.

The first phase of creating a technical program is the enrollment of the reviewers and the Area Coordinators. This year, 864 colleagues (out of an initial pool of 1333 we initially contacted) kindly accepted offers to perform reviews. Of those, 115 volunteered to be a special task force known as “crash reviewers”, whose job is to perform emergency reviews on demand, if necessary, at the end of the review period and with a short notice. This year we chose to distribute the 19 scientific areas among 38 Area Coordinators, two for each area, with the specific goal of distributing the work among local and international scientists. A call for special sessions was also sent, and a committee including the general and technical program chairs and the chairs for special sessions indicated which ones were to form the program of the conference. Similarly, with the help of the tutorial chairs and of the keynote chairs we selected the best proposals for tutorials and keynotes.

The main bulk of the work begins towards the end of the submission phase when most of the authors start submitting their work. Most of the submissions do not require help from the technical program chairs, but some do. The help may take the form of accommodations for delay due to serious reasons—like our Japanese colleagues hit by one of the most catastrophic events of our times—or due to malfunctioning of the online system or human errors. Once all papers were in the system, we had to match each one of them with at least three reviewers. So, for 1439 paper we would need 4317 reviews, making sure that the load is evenly distributed across all reviewers, with typically not more than 8 reviews each. That, of course, cannot be done by hand, but requires a program which would match, at best, the topics selected by the authors for each paper with the expertise domain of each reviewer. The automatic program also checks for the possibility of conflicts of interest. However, the automatic approach is far from being perfect due either to technical limitations or limited knowledge about the submitted work. For instance, relying on the email address to identify the affiliation of the author, and relationships between reviewers and authors is not always accurate since many authors prefer to use generic email accounts such as Gmail or Yahoo. The Area Coordinators greatly helped review the final match by visually inspecting every single paper and suggesting potential reassignments. We then notified the reviewers of their assignments, requesting their help to check additional potential conflicts or issues. In fact, after the initial assignment, we had to resolve about 150 review reassignment requests due to conflicts which were not predicted or because of papers which were out of the range of expertise of the reviewer. After the initial reshuffling, several other reviewers’ reassignments took place due to conflicts of interest, incorrect topic assignments, changes of reviewers’ commitments during the course of the review period, etc. At the end of this iterative process, 678 manual reassignments where carefully completed.

Even with the reviewers’ best intentions, and even with a constant flow of reminders by the technical program chairs, there are always a number of papers which do not get a complete set of three reviews by the reviewer’s deadline. At the end of the official review period, we still had 594 reviews missing out of 4317 total. We decided to grant an additional week to the late reviewers, and the number of missing reviews went down to 117. At this point in time we switched into emergency mode and escalated the code alert to ‘orange’. We assigned the missing reviews to the crash reviewers who, with the help of the Area Coordinators, helped bring the number of missing reviews to virtually zero in a few days.

After the reviews were done, we started the task of creating the sessions. We asked each pair of Area Coordinators to analyze the papers in their domain, check for mixed reviews, perform additional tiebreaking reviews if necessary, and decide about which papers were to be accepted and which were to be rejected. That may not be an easy decision in many cases. With 1439 papers - most of them being of excellent quality - and a target acceptance rate below 50%, we had to make a number of hard decisions. The decisions were reviewed during the Technical Program Committee meeting in Rome on May 19-20, where a selected number of Area Coordinators, together with the Interspeech 2011 General Chairs and Technical Program Chairs, the President of ISCA, and the Technical Program Chair of next year’s
conference worked to create the final sessions and give shape to a draft program. The program was reviewed and refined during the next few days, and more than 5,000 acceptance/rejection notifications—not without technical mailing problems—were sent to all the authors of submitted papers. Some review mistakes—like for instance, the posting of wrong reviews—were spotted by the authors. These mistakes had to be fixed, which produced slight changes in the final program.

Finally, all of the newly created sessions had to be allocated to the time slots, matched in size and predicted attendance to the available conference rooms, and assigned to potential session chair candidates in each area of expertise. Even though particular care was taken to avoid the same authors having to present different papers simultaneously in different sessions, clashes of this type always occur. So, upon request of a few authors, we had to review the allocation in order to come to the final program.

As it is clear by now, managing the program of a large conference requires a huge amount of work, and we could not have accomplished it without the continuous support of ISCA’s President Isabel Trancoso and the ISCA’s board. A great thank to the Interspeech 2011 General Chairs: Piero Cosi, who sat day by day with us in the trenches helping respond to the hundreds of requests we received and solve the apparently infinite issues that arose every day, and Renato De Mori, who helped us with his always insightful, practical suggestions and wisdom. Also our unconditional thanks go to those Area Coordinators who promptly responded to all of our requests often on a short notice of a few hours. And of course, many thanks go to all of those reviewers who did their work conscientiously and with great professionalism. Last but not least, a great thank you to the authors of all papers submitted. Without them and without their dedication to the science and technology of speech we would not have this wonderful and unique conference.

We are all set for a great Interspeech 2011 in Florence, the cradle of the Renaissance and one of the most beautiful cities in the world.

See you all in Florence,

Roberto Pieraccini and Pino Di Fabbrizio

Interspeech 2011 Technical Program Chairs
Message by the Plenary/Keynote Chair

Interspeech 2011 is pleased to have the following distinguished keynote speakers to give plenary talks at the conference:

- Prof. Julia Hirschberg, Speaking More Like You: Entrainment in Conversational Speech
- Prof. Tom Mitchell, Neural Representations of Word Meanings
- Prof. Sandy Pentland, Honest Signals

This year we host a round-table on the theme of the conference “Speech Science and Technology for Real Life”, entitled “Future and Applications of Speech and Language Technologies for the Good Health of Society”. The objective of this plenary session is to foster forward-looking scientific and technological visions and impact on society. Such a vision requires contributions and viewpoints from different disciplines and research communities. The following distinguished keynote speakers will share their research and vision:

- Prof. Gabriele Miceli, Language disorders: viewpoints on a complex object
- Prof. Björn Granström, Speech technology in (re)habilitation of persons with communication disabilities
- Prof. Hiroshi Ishiguro, From teleoperated androids to cellphones as surrogates

Giuseppe Riccardi
Interspeech 2011 Plenary/Keynote Chair
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**Interspeech 2011 Information**

**Venue**

The venue of Interspeech 2011 will be the "Firenze Fiera Congress and Exhibition Center" which is only five minutes on foot from the central railway station of Santa Maria Novella and 1 km from the Duomo, and is also easily accessible by public transportation, by bus or by the modern and newly opened tramway. Moreover, its only 5 km from the Amerigo Vespucci international airport.

Three venues form the Congress and Exhibition area; they are located next to each other and represent an exciting itinerary through the history and evolution of Florence - from the 16th century Fortezza da Basso, the masterpiece by Antonio da Sangallo il Giovane, one of the most important examples of military Renaissance architecture, up to the Palazzo dei Congressi, hosted inside Villa Vittoria, an architectural jewel of the 18th century, as well as the Palazzo degli Affari, planned by architect Pierluigi Spadolini and opened in 1974.

INTERSPEECH 2011 will be hosted in the Palazzo dei Congressi and in the Palazzo degli Affari. These two venues all have reception points, Internet wireless connection, refreshment bars and bank service. Inside the Palazzo degli Affari you will also find a tourist information desk with all the information you need on hotel reservations and how to move in Florence.

All keynote talks are in the Auditorium of the Palazzo dei Congressi inside the Firenze Fiera Congress Center. See conference programme for venues of other sessions.

**INTERSPEECH 2011 - Florence Conference Card (IS2011-FCC)**

During a visit to Florence as a conference delegate, you may wish to spend some time enjoiing and experiencing the city, its culture and attractions! Florence Convention Bureau provides with all these services and combines a variety of products to enhance the opportunity of visiting the city. All necessary elements are built into one special card called Florence Congress Card: insider tips, discounts and offers to museums, cultural venues, leisure facilities, night-clubs, shops, restaurants and entertainments, spa, city tours, rental bike, taxi, chauffeured cars for airport transfers and other services.

The free Florence Congress Card can be used by delegates and their accompanying person & family and is valid prior and after the congress date.

**Registration**

The full registration package includes:

- Conference bag containing: Abstract book and conference programme
- CD-ROM of Conference Proceedings
- Promotional material
- Welcome Reception to be held at the Firenze Fiera Congress Center. (Sunday 28th August)
- Student Reception at Flò lounge bar or Reviewer Reception at Palazzo Ximénes-Panciatichi, a very famous historical building in Florence (Monday 29th August)
- Banquet at the famous Villa Castelletti. (Tuesday 30th August)
- Coffee breaks as per programme
- Badge

The Conference Registration Desks are located in the Ground Floor of the Palazzo degli Affari inside the Firenze Fiera Congress Center. For registration or any administrative issues please enquire at the Conference Registration Desks. These desks will be open at the following times:

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>08:30 hours</td>
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**Grants for Students to Attend the Conference**

ISCA, INTERSPEECH and GOOGLE are providing financial support to students and young scientists participating in INTERSPEECH 2011 through a limited number of grants. The support covers early registration and possibly
accommodation costs, while transportation costs are covered only in exceptional cases. Applicants from all countries are eligible. More information is available on grants page (http://www.interspeech2011.org/grants)

**Badge**

Your name badge, issued to you when you register, must be worn to all conference sessions and social events for identification and security purposes.

**Special Offers**

Your conference badge also entitles you special offer discounts at a number of Florence restaurants, shops and attractions.

**Non-Smoking event**

Smoking is not permitted anywhere inside the Firenze Fiera Congress Center. Smoking is prohibited by law in Italian restaurants and bars.

**Language**

The official language of Interspeech 2011 is English.

**Internet access**

Free Wireless Internet access will be provided throughout the Firenze Fiera Congress Center.

In addition, Internet access will be provided on allocated PCs in the Internet Room located in the () which will be open from Sunday to Wednesday during conference hours.

**Speaker Preparation Room**

The Speaker Preparation Rooms are located in the "Palazzo dei Congressi" (near the Auditorium) and in the "Palazzo degli Affari" (1st floor). If you are presenting an oral paper, you must load your presentation onto the central fileserver and check that it displays correctly well before your talk. We recommend you do this well in advance of your presentation and certainly no later than two hours beforehand.

The room will be open during the following times:

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<td>Wednesday 31 August</td>
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**Coffee & Tea Breaks**

These are scheduled according to the programme and will be served in Palazzo degli Affari, Palazzo dei Congressi, and the garden. All those with special dietary requirements should make themselves known to Centre Staff who will provide alternative catering. Special Dietary Requirements

**Special Dietary Requirements**

In all our organizations a corner for vegetarians and celiacs is always guaranteed, and we always considers special diets and religions. All those with special dietary requirements should make themselves known to Centre Staff who will provide alternative catering.

**Lunch Breaks**

Lunch is not included as part of your registration. There are several cafes and restaurants in Florence from which you can purchase lunch.

**Insurance**

Registration fees do not include personal, travel or medical insurance of any kind. Delegates are advised when registering for the conference and booking travel that a travel insurance policy should be taken out to cover risks including (but not limited to) loss, cancellation, medical costs and injury. Interspeech 2011 and/or the conference organisers will not accept any responsibility for any delegate failing to insure.
General Information and the City of Florence

Getting There

Airport Information
Florence is served by two Airports: Amerigo Vespucci Airport, a few kilometres north-west of the city centre. The Volainbus line connects Amerigo Vespucci Airport to the city centre with buses every 30 minutes (www.aeroporto.firenze.it) and Galileo Galilei Airport, near Pisa, is about an hour by train or car from Florence. Direct trains to Florence run every 60 minutes, There is also a bus service - "Terravision" - which takes approximately one hour to reach Florence, arriving at the railway station (www.pisa-airport.it)

Transportation from Florence Airport
Switchboard: +39.055.3061300
Lost & Found Office: +39.055.3061302
Company Secretary: +39.055.30615
Website: ADF Aeroporto di Firenze (www.aeroporto.firenze.it/EN/index.php)
Florence Airport ("Aeroporto di Firenze") or Amerigo Vespucci Airport (Airport Code - IATA: FLR, ICAO: LIRQ) is an airport located close to Florence, Italy. The Airport of Florence is not properly in the center.

The Volainbus airport shuttle and the bus ATAF n° 62 (www.ataf.net) connect Florence town centre with Amerigo Vespucci airport. Tickets are available on board for € 4.00. For detailed information on time tables go to Volainbus website on line (www.ataf.net/Template/Detallinee.aspx?LN=en-US&IDC=180&Linea=Volainbus&idC_L=710%20). Duration: 30 minutes (estimated times) - Price: EUR €4.50 per person

Terravision Low Cost Express Coach - A coach service run by Terravision and Ataf & Li-nea leaves from the Airport to/from Florence Central Station. Thanks to the partnership with Terravision, now you can book directly with us your express low-cost airport transfer to/from Florence Airport direct to/from Florence Central Station (booking.terravision.eu/bookmap.asp?tp=E&typeV=F&cx=E&fm=GM&tax=HE,IK&lng=EN&Idp=19).

Duration: 15 mins (estimated times)
Price Adult: EUR €10.00 single, EUR €16.00 return
Price Child (5-12 years): EUR €4.00 single, EUR €8.00 return
Price Child (under 5 years): free

Departs from / Stops at: Vespucci airport: NCC Coach Station.
Departs from / Stops at: S.M. Novella Station: outside the station, Via Alamanni, opposite Bar Deanna

Florence Airport Taxi Arrival Transfer
Taxis are stationed in front of the terminal or can be called by radiotaxi. Phone +39.055.4242 / 4390 / 4499 / 4798. Taxi journey time from the airport to Florence city center is about 15 minutes.

Florence Airport Private Departure Transfer - Save time and money and book your transfer services before you go! This transfer will take you from Florence Airport to Florence City Center - without the hassle of picking up a rental car, negotiating unfamiliar traffic and maps. Need to get to Florence Airport? Plan your trip ahead of time, and book your Florence Airport Private Departure Transfer right here. Don’t pay high cab fares or carry your luggage onto public transport - arrive at the airport on time, relaxed and with money in your pocket!

Duration: 30 minutes
Price: Starting from EUR €12.50 per person
Click here for more information and Booking Details:
(www.partner.viator.com/en/4035/tours/Florence/Florence-Airport-Private-Departure-Transfer/d519-2662FLRHTLAPTPV)

Transportation from Pisa Airport
The journey from Pisa to Florence by train will only take an hour. Pisa Airport and Firenze SMN railway station are connected by six trains a day.

The Airport, with 25 trains a day, is connected directly to Pisa Central Station. A lot of connections are thus available to all Italian destinations, Florence included.
The cost of a single ticket from Pisa Airport to Florence SMN Station is 5.80* EUR (Fares subject to change). Train tickets sold by Pisa Airport agency will be charged with a commission fee of € 1,00 (VAT included) for all tickets from € 5,00 to € 20,00; € 2,00 (VAT included) for all tickets over € 20,00.

At the Airport, you can buy your railway ticket at the Information Office in the arrivals hall.


**Transportation from Milano Airport** (http://www.airportmalpensa.com/)

From the Milan airport you can take a shuttle bus (about Euro 10.00) to the Central Train Station in Milan. Take any IC train to Florence (check the trains to Rome as well since they usually stop in Florence). Travel time is 3 to 3.5 hours and the cost is approximately Euro 25.00. Trains marked ES cost about Euro 35.00 but will get you to Florence in about 2.5 hours. Because Florence is between Rome and Milan the train connections are quite good.

**Transportation from Rome Airport** (http://www.adr.it/fiumicino)

You can get a train or bus to Termini Train Station in Rome from the airport. From there take any train marked IC destined for Florence (check the trains to Milan as well since most of those also stop in Florence). Travel time is 2 to 3 hours and the cost is approximately Euro 25.00. Trains marked ES cost about Euro 35.00 but will get you to Florence in about 1.5 hours.

**By Train**

Florence is on the Rome-Milan line, with Eurostar trains (intercity trains) running every 60 minutes. Please remember that on these trains a supplement is required and tickets must be bought in advance (www.ferroviedellostato.it)

**By Car**

Florence is connected by the A1 Motorway to Bologna and Milan (northbound) and Rome and Naples (southbound). The Autostrada del Mare (A11 Motorway) connects Florence with Prato, Lucca, Pisa and the coast and a smaller trunk road links Florence to Siena. Exits for Florence from the motorway are well signposted and there are Tourist Information offices on the A1 motorway exits both north and south of the city. From the north on the A1, exit at Firenze Nord and then simply follow the signs for Centro. If arriving from Rome, exit Firenze Sud. Traffic is restricted in the city centre.

**Car Rental**

Major car rental companies have offices located at the major airports. To drive in Italy you must have a current driver’s license. Note that cars travel on the right side of the road.

**Transportation / Getting around Florence**

In the historic centre of Florence traffic is limited to taxis, buses and residents, which makes walking quite easy and pleasant. Taxis in Florence are white with a “Taxi” sign on the roof. There are several taxi ranks in the city, including at the back of the Duomo of Florence, in Piazza della Repubblica and at the Santa Maria Novella train station. You can ask your hotel concierge to call a taxi for you or use one of the following phone number: +39 055 4390 | 055 44 99 | 055 47 98 | 055 42 42. The taxi service is held by two different mayor company: RADIO TAXI and TAXI SOCOTA so the fees can change a little bit, you really should read carefully the information about fare shown inside the taxi.

Here are taxi fares for destinations inside the city of Florence:

Starting rate: € 2,38
Starting rate for night trip (from 6 a.m. to 10 p.m.): € 5,16
Starting rate for Sunday/holidays trip: € 4,03
Luggage (max 4 pieces): € 0,57 per piece
Rate fare from Florence (center) to Amerigo Vespucci Airport: about € 15,00
Other charges besides fare depends on the destination and supplements.

Florence also has several bus lines - buses are bright orange. Bus stops are marked with orange signs displaying the route of the bus line. You can get around the historic center of Florence on bus lines A and B. These are small orange electric buses which can go through the narrow streets of Florence. Bus tickets have to be bought before you get on the bus and stamped with the stamping machine on the bus. Tickets can be bought from newstands.
and bars displaying the ATAF sign (the sign of the bus company in Florence). After the bus ticket is stamped on the bus, it is usually valid for one hour, depending on the type of the bus ticket.

ATAF (www.ataf.net) and LI-NEA are the public companies that manage the bus transportation in Florence - buses are bright orange. Bus stops are marked with orange signs displaying the route of the bus line. Generally, from the centre of the city and around the train station, you can reach all corners of the city. From their website you can easily find the fares, the time schedules and the city's bus map. Bus tickets have to be bought before you get on the bus and stamped with the stamping machine on the bus. Tickets and Bus passes can be purchased at Box ATAF in Piazza Stazione or from newsstands and bars displaying the ATAF sign (the sign of the bus company in Florence). After the bus ticket is stamped on the machines on board on the bus, it is usually valid for one hour, depending on the type of the bus ticket. At night, from 9 p.m. to 6 a.m., tickets can be purchased aboard from the driver at 2,00 Euro.

Here are bus tickets/fares for destinations inside the city of Florence:
- 60 minutes - 1,00 Euro | 3 hours - 1,80 Euro | daily ticket - 4,00 Euro
- 2 days - 5,70 Euro | 3 days - 7,20 | weekly ticket - 12,00 Euro
- Multi-ride (4x60 minutes) - 3,90 Euro

Here are some useful bus lines:
- 7 Stazione - S. Domenico - Fiesole
- 10 Stazione - Campo Marte - Settignano
- 12/13 Stazione - Piazzale Michelangelo (Camping Michelangelo)
- 17 Verga - Salviatino (Youth Hostel)
- 25a Stazione - P.zza Liberta - Pratolino (Villa Demidoff)
- 2 Stazione - Sesto Fiorentino - Calenzano (Camping Autosole)
- 37 Stazione - Porta Romana - Galluzzo (Camping Internazionale Firenze)- Tavarnuzze
- Vola in bus Stazione - Ponte di Mezzo - "Vespucci"Airport

For more information you can give a look to the ATSF website (www.ataf.net/) or go to the "Box ATAF" in Piazza Stazione - "ProntoAtaf", tel. 800 424500

Starting from February 2010 you can use the "Tramvia", new mean of transportation in Florence, created to connect different districts of the city. A normal ticket, valid for 90 minutes, costs €1,20 if you buy them in advance. They can also be purchased aboard, but for the price of €2,00. In accordance with the length of your stay it is also possible to buy tickets that are for example valid for 24 hours, 3 days or a month. For more information about the prices you can have a look on the official ATAF website. Remember that your ticket needs to be validated upon boarding. New Trams, being on the same level of the floor, allow disabled to go on board.

Money - Currency / Banks / Exchange

Italy’s national monetary unit is the Euro (€), 1,00 € = 1.48462 $ (USD-US dollar) as of 02 May 2011. Currency exchange is provided by banks and exchange agencies. Banks are open Monday to Friday from 08.00 / 08.30 am to 01.00 / 01.30 pm. They are also open in the afternoon, usually from 02.30 / 03.00 pm to 04.00 / 04.30 pm.

ATMs are located all around the city. They can also be used for cash advances on major credit cards such as MasterCard or VISA.

Major credit cards such as Visa, American Express and MasterCard are accepted in most hotels, stores and restaurants. Travellers’ cheques are also widely accepted and can be cashed at banks, airports and major hotels.

Climate

In Florence, in summer, the average temperature ranges between 28 – 32 °C (82-90 °F). End of August is late summer and minimum and maximum mean temperatures range between 17 and 31 degrees Celsius. Mean precipitation value is 76mm and mean humidity is 66%. Light clothing and eventually light rainwear are suggested.

Time Zone

Italian Standard Time (IST) is Central European Time Zone and it corresponds to UTC/GMT +1:00 hours. Italy has daylight savings time.

Tipping

There is no tipping in Italy. Customers pay the exact amount that appears on the bill. Italy has a 20% consumer tax nationwide on all goods and services. All published prices (including restaurant menus, taxi fares, supermarket prices) include consumer tax.
**Tax**

The VAT in Italy is the value-added tax. It is an indirect tax on all business transactions involving goods and services, and is also known as "imposta sul valore aggiunto" or IVA. The VAT is applicable for all countries in the European Union and is different for each country. Italy’s VAT for business transactions and purchases is 20 percent, and the tax for basic products is 4 to 10 percent. The VAT is only paid by European Union consumers. Non-EU citizens who spend more than 180 Euros in goods at one time will receive a reimbursement of the tax. Exemptions Suppliers and distributors of goods may deduct the input VAT. Exported goods are also exempt from taxation.

**Accommodation**

The Florence area has an abundance of different kinds of accommodation from budget to luxury hotels. Major Hotels are within minutes of the Conference Site. INTERSPEECH 2011 is supported by the International Conference Support Program™ and we recommend the Hotels Combined website to find accommodation to suit your needs (www.hotelscombined.com/City/Florence.htm).

**Electrical Current**

AC line (mains) voltage in Italy is 220 volts nationwide and AC frequency is 50 Hz. Power outlets are flat, parallel 2-prongs identical to North America.

### Power Sockets and Plug Converters for Electricity in Italy

<table>
<thead>
<tr>
<th><img src="image" alt="Power Socket" /></th>
<th>Italian power outlet of the type you might find in a kitchen. On the left is a typical power socket, in the middle is a Schuko Grounded socket for large appliances. On the right is a power switch. An adapter plug will fit into the two outer holes of either socket.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Power Socket" /></td>
<td>Regular Italian power socket. To access it with an adapter that connects to a typical American power plug, you’ll need an adapter like the one shown below.</td>
</tr>
<tr>
<td><img src="image" alt="Power Socket" /></td>
<td>Have many chargers? Need more outlets than the common hotel room has available? A simple plug expander might do the trick. You can buy these in Italy at any hardware store for a few Euros.</td>
</tr>
<tr>
<td><img src="image" alt="Power Socket" /></td>
<td>This plug adapter is all you need to convert your plug to the prong Italian power plug used in most Italian homes and hotels. This adapter is ungrounded, which is why it doesn't have a third, center prong. This is fine for devices which are insulated (having a plastic body, for instance).</td>
</tr>
</tbody>
</table>

**Passport**

Visitors from EU countries must have a valid national ID card to enter Italy. Visitors from other countries must have a valid passport.

**Visa Information**

**Entering Italy**

All foreigners intending to enter Italy must provide the documentation required to justify the reasons and duration of their stay as well as, in some prescribed cases, the availability of adequate economic means and lodging. In some cases you need a visa, application for which can be made at the Italian Diplomatic and Consular Representations in your country of residence.

**Do you need a visa?**

Visit the website [www.esteri.it/visti/home_eng.asp](http://www.esteri.it/visti/home_eng.asp) to:

- find out whether, depending on your citizenship, country of long-term residence, and the duration and reasons for your stay, you need a visa to enter Italy
• find out which documents are required in order to apply for your visa.

Be advised: presentation of the documentation requested does not necessarily ensure issuance of the visa

Where to apply for a visa (www.esteri.it/visti/rilascio_eng.asp), List of Italian Embassies and Consulates. Please note that Honorary Consulates do not issue visas. Their sole task is to supply information and/or receive visa applications on behalf of the Consulate to which they are subordinate.

**Visa Fees**

Important information for foreigners:

• when entering Italy, even if you have already obtained a visa, the border authorities are authorised to check the documentation required for obtaining the visa itself.

• pursuant to article 4, paragraph 2 of Consolidated Text no. 286/98 and subsequent amendments, concomitant with the issuance of your visa you will receive a written communication from the diplomatic or consular authority illustrating the rights and obligations associated with your entrance and stay in Italy, with particular regard to the procedures envisaged for requesting a "Permesso di soggiorno" (permission to stay) or the issuance of a "Dichiarazione di presenza" (statement of presence).

For further information on entrance visas for Italy and the Schengen area click www.esteri.it/MAE/EN/Ministero/Servizi/Stranieri/IngressoSoggiornoInItalia.htm.

For some countries a visa is required. Italy is a signatory to the 1995 Schengen Agreement. For more information, please contact the nearest Italian Embassy, Consulate or Travel agent in advance. Information about visas is available on the website: www.esteri.it/visti/index_eng.asp

**Non-Smoking Policy**

The Italian smoking laws prevent smoking in enclosed public spaces. It is therefore not acceptable to smoke in restaurants, bars and other public venues. There may be designated smoking areas.

**Shop Opening Hours**

All banks and most shops are closed on National Holidays

**Shops**

Mon 15:30 - 20:00
Tues - Sat 10:00 - 13:00 and 16:00 - 20:00 (17:30 on Sat)
Some shops are also open on Sundays, but most small shop will be closed!

**Banks**

08:30 - 13:30 and 15:00 - 16:00 (Mon - Fri)
(Times vary from bank to bank - some may open Saturday morning)

**Post Offices**

08:15 - 13:30 (Mon to Fri) / 08:15 - 12:30 (Sat)
Some central post offices (eg: the main post office at Via Pellicceria 3, stay open late)

**Restaurants**

Open between 12:00 - 14:30 and 19:00 - 23:00 (Many closed on Sunday)

**Emergencies**

Police Phone: 113
Carabinieri Phone: 112 (European emergency number)
Questura Phone: 055 49771
Fire Brigade Phone: 115
Urban police Emergency calls Phone: 055 328 333
ACI car breakdown service Phone: 116
Prefettura Phone: 055 278 31
Medical emergency service Phone: 118

**Medical Assistance**

Medical emergency service Phone: 118
In the case of medical emergencies, there is a 24 hours Medical Service, English, German and French speaking practitioners and specialists on call 24 hrs (specialists by appointment).

Surgery Opening times: Monday to Friday, from 11 to 12 and from 17 to 18
Price: Fee-paying service
Addresses: Via Lorenzo il Magnifico, 59
Phone: 055 475 411 / Fax: 055 474 983 / E-mail: medserv@tin.it

**Pharmacies**

Farmacia comunale, 13
Opening times: 24 hours a day
Addresses: interno Stazione S. M. Novella
Phone: 055 289 435 - 216 761
Molteni
Opening times: 24 hours a day
Addresses: Via Calzaiuoli, 7r
Phone: 055 289 490

All’Insegna del Moro
Opening times: 24 hours a day
Addresses: Piazza S. Giovanni, 20r
Phone: 055 211 343

Paglicci
Opening times: from 20 to 9
Addresses: Via della Scala, 61
Phone: 055 215 612

Di Rifredi
Opening times: from 20 to 9
Addresses: Piazza Dalmazia, 24r
Phone: 055 422 0422

**Other Useful Numbers**

Lost and found
Addresses: Via Circondaria 17b
Phone: 055 328 3942 - 328 3943

Car/vehicles removal
Open 24 hours Cash/cash dispenser/credit card payment
Addresses: via dell’Arcovata, 6 / via Circondaria, 19 / Viadotto all’Indian (Ponte a Greve)
Phone: 055 783 882

**Dining and Entertainment**

There are numerous cafes and restaurants in Florence area, particularly in the City centre areas.
Social Program

Sunday 28th August, Welcome Reception
Everyone is invited to the Welcome Reception to be held at the Conference Center. One ticket is included with your registration. Registered accompanying guests will be issued with one ticket. Event starts at 19:30.

Monday 29th August, Reviewer Delegates Reception
Our hardworking reviewers are invited to attend a drinks reception and snacks at Palazzo Ximenes-Panciatichi, a very famous historical building in Florence. One ticket is included with each reviewer registration.
Event starts at 20:00. Admission by ticket enclosed with conference pack.

Monday 29th August, Student Delegates Reception
Also on Monday evening student delegates are invited to attend a drinks reception and snacks at "Flò lounge bar" located near Piazzale Michelangelo, one of the most picturesque location in the world. One ticket is included with each student registration.
Event starts at 20:00. Admission by ticket enclosed with conference pack.

Tuesday 30th August, Banquet/Gala Dinner at the “Villa Castelletti”
A Banquet will take place at the famous Villa Castelletti. Delegates will be able to enjoy a buffet and drinks followed by an evening of entertainment. One ticket is included for delegates with early or regular registration. Tickets are not included in any on-site registration. Registered accompanying guests will be issued with one ticket.
Event will start at 20:00. Transport to and from the event will be provided.
## Organizers

### Conference Committee

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<th>Role</th>
<th>Name</th>
<th>Institution</th>
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<td>Piero Cosi</td>
<td>ISTC - CNR - Uos Padova (Italy)</td>
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<tr>
<td>General Chair</td>
<td>Renato De Mori</td>
<td>University of Avignon (France)</td>
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<tr>
<td>Technical Chair</td>
<td>Roberto Pieraccini</td>
<td>Speechcycle - New York, USA</td>
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<td>Giuseppe Di Fabbriozio</td>
<td>AT&amp;T Labs - Florham Park, NJ, USA</td>
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<td>Local Chair</td>
<td>Claudia Manfredi</td>
<td>DET – University of Firenze (Italy)</td>
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<td>Local Coordination</td>
<td>Leonardo Bocchi</td>
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<td>PLS - Promo Leader Service - Firenze (Italy)</td>
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<td>Loquendo Torino (Italy)</td>
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<td>Francesco Cutugno</td>
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<td>Social Programme</td>
<td>Alessandra Colombo</td>
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50121 Firenze (Italy)
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Fax +39 055 2462 224
interspeech2011@promoleader.com

Scientific Committee

The conference organisers are indebted to the following people who made such a large contribution to the creation of the technical programme.

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- Giuseppe Di Fabbrizio - AT&T Labs - Florham Park, NJ, US

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- Imed Zitouni, IBM T.J. Watson Research Center, Yorktown Heights, NY, US

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- Shrikanth Narayanan, Univ SC, US
- Elmar Nöth (FAU)
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- Maxine Eskenazi, Carnegie Mellon Univ., US
- Helen Meng, Chinese Univ. of Hong Kong, HK
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- Etienne Barnard, North-West University, SA
- Anton Batliner, Friedrich-Alexander-University, Erlangen-Nuremberg, DE
- Christoph Draxler, Institute of Phonetics and Speech Processing, Munich, DE
- Sadaoki Furui, Tokyo Institute of Technology, Tokyo, JP
- Jarek Krajewski, Bergische Universität Wuppertal, Wuppertal, DE

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- Gregory Druck, University of Massachusetts Amherst, Computer Science, US
- Kuzman Ganchev, Google Research, US
- Maëva Garnier, GIPSA-lab Grenoble, FR
- Joao Graca, University of Pennsylvania, US
- Mads Grasboll Christensen, Aalborg University, NL
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<table>
<thead>
<tr>
<th>University</th>
<th>Supporting Associations</th>
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</thead>
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<tr>
<td>Fondazione Bruno Kessler - Trento</td>
<td>The organising committee would like to acknowledge the support of the following Associations:</td>
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<tr>
<td>Università degli Studi di Trento</td>
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<td>Università degli Studi di Napoli</td>
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<td>Università degli Studi della Toscia</td>
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<td>Università degli Studi della Calabria</td>
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<tr>
<td>Università Ca’ Foscari di Venezia</td>
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<td>Loquendo</td>
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**Patronages**

We gratefully acknowledge the high patronage of:

- Alto Patronato del Presidente della Repubblica Italiana
- Consiglio Nazionale delle Ricerche
- Regione Toscana
- Provincia di Firenze
- Comune di Firenze

**Supporting Tuscan Institutions**

The INTERSPEECH Organising Committee would like to acknowledge the support of the following Tuscan Institutions:

- Firenze Fiera - Congress and Exhibition Center
- Firenze Fiera - Convention Bureau
Exhibitors

Interspeech 2011 welcomes the following exhibitors:
Future INTERSPEECH Conferences

13th Annual Conference of the International Speech Communication Association
September 9 – 13, 2012
Portland, Oregon

www.interspeech2012.org
Interspeech 2013
Lyon, France

25-29 August 2013

14th Annual Conference of the International Speech Communication Association

Theme: Speech in Life Sciences and Human Societies

initiated by
INRIA
Université de Lyon
AFCP
ESCA-ISCA
25th Jubilee
15th Annual Conference of the International Speech Communication Association

Interspeech 2014

SINGAPORE

Celebrating diversity of languages
In Memoriam

Edda Farnetani
1936-2010

Ilse Lehiste
1922-2010
Satellite Events

This is the list of satellite workshops linked to Interspeech 2011.

**AVSP2011 - Workshop on Audio Visual Speech Processing**

August 31 - September 3, 2011, Volterra, Italy (email: info@avsp2011.org for more information).

The 10th international conference on Auditory-Visual Speech Processing (AVSP2011) will be held from August 31 to September 3, 2011, following INTERSPEECH2011. This conference is uniquely interdisciplinary, being focused on synergy effects of auditory and visual speech information on human perception, machine recognition, and human-machine interaction.

AVSP conferences have attracted a lot of researchers in various fields, such as psychologists, computer engineers, neuroscientists, linguists, phoneticians, and robot engineers. The program will consist of not only regular presentations (both oral and poster) but also lectures by invited speakers.

**Blizzard_Challenge_2011 - Workshop on Evaluating corpus-based speech synthesis on common databases**

September 2, 2011, Turin, Italy (email: blizzard@festvox.org for more information).

In order to better understand and compare research techniques in building corpus-based speech synthesizers on the same data, the annual Blizzard Challenges 2005–2010 were held. We are now pleased to call for participation in the seventh challenge: Blizzard Challenge 2011. The challenge is to take the released speech data, build one or two synthetic voices, and synthesize a prescribed set of test sentences. The sentences from each synthesizer are then evaluated through extensive listening tests. The results will be presented at a satellite workshop of Interspeech 2011 which will be scheduled for just before or just after Interspeech, at a location in Italy. A condition of participation in the Blizzard Challenge is the submission of a paper to this workshop. Accepted papers will be presented at the workshop, and published on the Blizzard website. Website: [http://www.synsig.org/index.php/Blizzard Challenge 2011](http://www.synsig.org/index.php/Blizzard Challenge 2011).

For further information please contact blizzard@festvox.org.

A description of the challenge was published at Interspeech 2005: [http://www.festvox.org/blizzard/bc2005/IS051946.PDF](http://www.festvox.org/blizzard/bc2005/IS051946.PDF)

**CHiME 2011 - Workshop on Machine Listening in Multisource Environments**

September 1st, 2011, Florence, Italy

The International Workshop on Machine Listening in Multisource Environments will be held on 1st September, 2011 immediately following INTERSPEECH 2011 at the Palazzo dei Congressi. The workshop will consider the challenge of developing machine listening applications for operation in multisource environments, i.e. real-world conditions with acoustic clutter, where the number and nature of the sound sources is unknown and changing over time. CHiME will bring together researchers from a broad range of disciplines (computational hearing, blind source separation, speech recognition, machine learning) to discuss novel and established approaches to this problem. The cross-fertilisation of ideas will foster fresh approaches that efficiently combine the complementary strengths of each research field.

The workshop will also be hosting the PASCAL CHiME Speech Separation and Recognition Challenge. This is a competition supported by the EU PASCAL network and the UK EPSRC. For further details please visit the Challenge Website:

[http://www.dcs.shef.ac.uk/spandh/chime/challenge](http://www.dcs.shef.ac.uk/spandh/chime/challenge)

**IWSDS2011 - Workshop on Paralinguistic Information and its Integration in Spoken Dialogue Systems**

September 1-3, 2011, Granada, Spain

Following the success of IWSDS2009 (in Irsee, Germany) and IWSDS2010 (in Gotemba Kogen Resort, Japan) this 3rd International Workshop on Spoken Dialogue Systems (IWSDS2011) will bring together researchers from all over the world working in the field of spoken dialogue systems. It will provide an international forum for the presentation of research and applications and for lively discussions among researchers as well as industrialists.
This year’s workshop designates "Paralinguistic Information and its Integration in Spoken Dialogue Systems" as a special theme of discussion. We would also like to encourage discussions of common issues of spoken dialogue systems.

MAVEBA 2011 - Workshop on Models and Analysis of Vocal Emissions for Biomedical Applications
August 25-27, 2011, Florence, Italy
The 7th International Workshop on Models and Analysis of Vocal Emissions for Biomedical Applications (MAVEBA2011) will be held on August 25-27, 2011, preceeding INTERSPEECH 2011, at Palazzo dei Congressi Villa Vittoria Piazza Adua 1, Florence, Italy. Speech is the primary means of communication among humans, and results from complex interaction among vocal folds vibration at the larynx and voluntary articulators movements. Since 1999, the MAVEBA Workshop is organised every two years, aiming to stimulate contacts between specialists active in clinical, research and industrial developments in the area of voice signal and images analysis for biomedical applications. This seventh Workshop will offer again the participants an interdisciplinary platform for presenting and discussing new knowledge in the field of models, analysis and classification of voice signals and images, as far as both adults, singing and children voices are concerned. Modelling the normal and pathological voice source, analysis of healthy and pathological voices, are among the main fields of research. The aim is that of extracting the main voice characteristics, together with their deviation from “healthy conditions”, ranging from fundamental research to all kinds of biomedical applications and related established and advanced technologies.

MediaEval 2011 - Workshop on MediaEval Benchmarking Initiative
1-2 September 2011 Pisa, Italy.
MediaEval is a benchmarking initiative dedicated to evaluating new algorithms for multimedia access and retrieval. MediaEval focuses on speech, language and contextual aspects of video (geographical and social context). Typical tasks include predicting tags for video: both user-assigned tags (Tagging Task) and geo-tags (Placing Task). We are also audacious enough to tackle ‘subjective’ aspects of video (Affect Task).

SLaTE 2011 - Workshop on Speech and Language Technology in Education (SLaTE)
August 24-26, 2011, Venice, Italy.
The ISCA (International Speech Communication Association) Special Interest Group (SIG) on Speech and Language Technology in Education (SLaTE) is delighted to announce our next workshop to be held in Venice on 24 - 26 August, 2011, at Auditorium Santa Margherita, Ca’ Foscari University · Venice. SLaTE 2011 follows SLATE 2009 held at Wroxall Abbey Estate, Warwickshire, England, and SLaTE 2007, held in Farmington, Pennsylvania, USA. The workshop will address all topics which concern speech and language technology for education. Papers will discuss theories, applications, evaluation, limitations, persistent difficulties, general research tools and techniques. Papers that critically evaluate approaches or processing strategies will be especially welcome, as will prototype demonstrations of real-world applications.

Young Researchers' Lunch Roundtable: “Students Meet their Seniors”
During the Interspeech conference, students will be given the possibility to discuss their research themes, issues and educational topics with senior members of the scientific community and with other students sharing their interests. This meeting will take place in an informal setup during one buffet lunch session to help people bonding and easily experience a constructive discussion. Small groups of students will talk about common issues with a senior reference member for the research area they are interested in while tasting italian food with the goal of making available to the new members of the scientific community the experience of the researchers attending Interspeech: the most important international conference concerning speech technology. Discussing research topics while sharing a selection of italian products will hopefully contibute both to the the students work and to the development of their social and academic network. Students will be asked to register for one of the tables before the time of the conference and the research areas covered will follow the ones established for the main conference program.
“Students Meet Seniors”
INTERSPEECH 2011 Student Event

Palazzo degli Affari (1st floor)
12.00-13.30, August 29th, 2011

During the INTERSPEECH conference, students will be given the possibility to discuss their research themes, issues and educational topics with senior members of the scientific community and with other students sharing their interests. This meeting will take place in an informal setup during one buffet lunch session to help people bonding and easily experience a constructive discussion. Small groups of students will talk about common issues with a senior reference member for the research area they are interested in while tasting Italian food with the goal of making available to the new members of the scientific community the experience of the researchers attending INTERSPEECH: the most important international conference concerning speech technology.

Discussing research topics while sharing a selection of Italian products will hopefully contribute both to the students work and to the development of their social and academic network. Students will be asked to register for one of the tables before the time of the conference and the research areas covered will follow the ones established for the main conference program.
Best Student Paper Award Shortlist

Sunday

Phoneme Level Non-Native Pronunciation Analysis by an Auditory Model-based Native Assessment Scheme
Christos Koniaris, and Olov Engwall
Sun-Ses2-P1 Second Language Acquisition, Development and Learning I, 13:30-15:30, Sunday

Low-Frequency Bandwidth Extension of Telephone Speech Using Sinusoidal Synthesis and Gaussian Mixture Model
Hannu Pulakko, Ulpu Remes, Santeri Yrttiaho, Kalle Palomäki, Mikko Kurimo, and Paavo Alku
Sun-Ses2-P2 Speech Enhancement, 13:30-15:30, Sunday

Prediction of binaural intelligibility level differences in reverberation
Jan Rennies, Thomas Brand, and Birger Kollmeier
Sun-Ses2-O2 Speech perception - Speech Intelligibility, 14:10-14:30, Sunday

Monday

Factored Translation Models for improving a Speech into Sign Language Translation System
Verónica López-Ludeña, Rubén San-Segundo, Ricardo Cordoba, Javier Ferreiros, Juan Manuel Montero, and José Manuel Pardo
Mon-Ses1-P2 Applications for Learning, Education, Aged and Handicapped Persons, 10:00-12:00, Monday

A Versatile Gaussian splitting approach to non-linear state estimation and its application to noise-robust ASR
Volker Leutnant, Alexander Krueger, and Reinhold Haeb-Umbach
Mon-Ses1-P3 Robust Speech Recognition I, 10:00-12:00, Monday

Tuesday

One-to-Many Voice Conversion Based on Tensor Representation of Speaker Space
Daisuke Saito, Keisuke Yamamoto, Nobuaki Minematsu, and Keikichi Hirose
Tue-Ses1-O3 Voice Conversion, 10:00-10:20, Tuesday

Modelling Novelty Preference in Word Learning
Maarten Versteegh, Louis ten Bosch, and Lou Boves
Tue-Ses2-O2 First Language Acquisition, 14:30-14:50, Tuesday

Using Imitation to learn Infant-Adult Acoustic Mappings
G Ananthakrishnan, and Giampiero Salvi
Tue-Ses2-O2 First Language Acquisition, 14:50-15:10, Tuesday

Language Recognition in iVectors Space
David Martínez, Oldrich Plchot, Lukas Burget, Ondrej Glembek, and Pavel Matejka
Tue-Ses3-O1 Language Identification, 17:20-17:40, Tuesday

Wednesday

Structured Support Vector Machines for Noise Robust Continuous Speech Recognition
Shi-Xiong Zhang, and M.J.F. Gales
Wed-Ses1-O2 ASR - New Paradigms, 10:20-10:40, Wednesday

Information Bottleneck Features for HMM/GMM Speaker Diarization of Meetings Recordings
Sree Harsha Yella, and Fabio Valente
Wed-Ses1-O1 Speaker Diarization I, 11:20-11:40, Wednesday

Does it Groove or Does it Stumble - Automatic Classification of Alcoholic Intoxication Using Prosodic Features
Florian Hönig, and Anton Batliner
Wed-Ses1-S1 Speaker State Challenge - Intoxication and Sleepiness I, 12:00-12:20, Wednesday

A study on speaker normalized MLP features in LVCSR
Zoltán Tüske, Christian Plahl, and Ralf Schlüter
Wed-Ses2-O3 Adaptation for ASR, 14:10-14:30, Wednesday
# Tutorials

## Saturday - August 27th 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Venue</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8.30</td>
<td>Tutorial Registration</td>
<td>Pala Affari</td>
<td>Leonardo, Michelangelo, Raffaello, Caravaggio, Botticelli</td>
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### 9.30

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>Sat-T-M1</td>
<td>More than Words Can Say: Prosodic Analysis Techniques and Applications</td>
<td>Andrew Rosenberg</td>
</tr>
<tr>
<td>Sat-T-M2</td>
<td>Pitch Estimation: Advances and Speech Applications</td>
<td>Mads Grasboll Christensen</td>
</tr>
<tr>
<td>Sat-T-M3</td>
<td>Building an Open Vocabulary ASR System using Open Source Software</td>
<td>Stefan Hahn, and David Rybach</td>
</tr>
<tr>
<td>Sat-T-M4</td>
<td>Learning with Rich Prior Knowledge</td>
<td>Joao Graca, Gregory Druck, and Kuzman Ganchev</td>
</tr>
<tr>
<td>Sat-T-M5</td>
<td>Blind Speech Separation based on Independent Component Analysis and Sparse Component Analysis</td>
<td>Shoji Makino, and Hiroshi Sawada</td>
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### 11:00 - 11:30

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Venue</th>
<th>Speaker(s)</th>
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<tr>
<td>11.00</td>
<td>Coffe Break</td>
<td>Leonardo, Michelangelo, Raffaello, Caravaggio, Botticelli</td>
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### 13.00

<table>
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<tr>
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### 14.30

<table>
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<tbody>
<tr>
<td>14.30</td>
<td>Sat-A-M1</td>
<td>Leonardo, Michelangelo, Raffaello, Caravaggio, Botticelli</td>
<td>Michele Gubian</td>
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<tr>
<td>Sat-A-M2</td>
<td>Registers and Resonances in Singing</td>
<td>Joe Wolfe, John Smith, and Maëva Garnier</td>
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<tr>
<td>Sat-A-M3</td>
<td>Low-dimensional speech representation based on Factor Analysis and its applications</td>
<td>Najim Dehak, and Stephen Shum</td>
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<tr>
<td>Sat-A-M4</td>
<td>Spoken Query Understanding</td>
<td>Xiao Li, and Gokhan Tur</td>
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<tr>
<td>Sat-A-M5</td>
<td>Automatic Summarization</td>
<td>Ani Nenkova, Sameer Maskey, and Yang Liu</td>
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### 15.00 - 15.30

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<th>Session</th>
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<td>15.00</td>
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**Session Keys**

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<tr>
<th>Day</th>
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<th>Session Type</th>
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<tr>
<td>Sun - Sunday Mon - Monday Tue - Tuesday Wed - Wednesday</td>
<td>Ses1 - 10:00 - 12:00</td>
<td>O - Oral</td>
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<td>Ses2 - 13:30 - 15:30</td>
<td>P - Poster</td>
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<td></td>
<td>Ses3 - 16:00 - 18:00</td>
<td>S - Special (Oral)</td>
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<td>S - Special (Poster)</td>
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**Sunday - August 28th 2011**

8.30  Conference Registration - Pala Affari (closes at 17.00)
10.00 Opening Ceremony - Auditorium - Pala Congressi
11.00 Sun-K1 Keynote 1 - Auditorium Pala Congressi - ISCA Medalist - Prof. Julia Hirschberg - "Speaking More Like You: Entrainment in Conversational Speech"
12.00 Lunch

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<tr>
<th>Oral</th>
<th>Special (oral/ poster)</th>
<th>Poster</th>
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<tr>
<td>Sun-Ses2-O1 Speaker Recognition - Modeling</td>
<td>Sun-Ses2-S1-O Speech and language processing based assistive technologies and health applications</td>
<td>Sun-Ses2-P1 Second Language Acquisition Development and Learning</td>
</tr>
<tr>
<td>Sun-Ses2-O3 Speech Representation and Modelling</td>
<td>Sun-Ses2-S1-P Speech and language processing based assistive technologies and health applications</td>
<td>Sun-Ses2-P3 ASR: Feature Extraction - I</td>
</tr>
<tr>
<td>Sun-Ses2-O4 Emotion, Speaking Style, and Social Behavior</td>
<td>Sun-Ses2-O4 ASR: Feature Extraction - II</td>
<td>Sun-Ses2-P4 Spoken Dialogue &amp; Spoken Language Understanding Systems</td>
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<tr>
<td>Sun-Ses2-O5 Speech Synthesis I: HMM-based Speech Synthesis</td>
<td>Sun-Ses2-P1 Prosodic structure</td>
<td>Sun-Ses3-P1 Language Processing</td>
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<td>Sun-Ses3-S1-O Crowdsourcing for speech processing</td>
<td>Sun-Ses3-P2 ASR: language models - I</td>
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<tr>
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<td>Sun-Ses3-S1-P Crowdsourcing for speech processing</td>
<td>Sun-Ses3-P4 Spoken Language Resources, Evaluation and Standardization - I</td>
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13.30 Sun-Ses2-O1 Speaker Recognition - Modeling | Sun-Ses2-S1-O Speech and language processing based assistive technologies and health applications |

14.30 Coffee Break

15.30

16.00 Sun-Ses3-O1 Speaker Recognition - Modeling, automatic procedures, analysis I | Sun-Ses3-P1 Prosodic structure |
| Sun-Ses3-O2 Speech Perception, perceptual learning and cross-language perception | Sun-Ses3-P2 Language Processing |
| Sun-Ses3-O3 Speech Analysis | Sun-Ses3-P3 ASR: language models - I |
| Sun-Ses3-O4 Speech Enhancement and Dereverberation | Sun-Ses3-P4 Spoken Language Resources, Evaluation and Standardization - I |
| Sun-Ses3-O5 ASR: Feature Extraction - II | Sun-Ses3-P1 Prosodic structure |

17.00

19.00 Welcome Reception
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<td>8.00</td>
<td>Mon-Ses1-01</td>
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<td>Speaker Recognition - Modeling, automatic procedures, analysis II</td>
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<tr>
<td>8.30</td>
<td>Mon-Ses1-02</td>
<td>Valfonda 1 Pala Congressi</td>
<td>Speech Production - Articulatory measurements</td>
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<td>8.30</td>
<td>Mon-Ses1-03</td>
<td>Valfonda 2 Pala Congressi</td>
<td>Acoustic Event Detection</td>
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<tr>
<td>8.30</td>
<td>Mon-Ses1-04</td>
<td>Faenza 1 Pala Congressi</td>
<td>Speech Synthesis II: Unit Selection and Hybrid approaches</td>
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<td>8.30</td>
<td>Mon-Ses1-05</td>
<td>Faenza 2 Pala Congressi</td>
<td>Speech Enhancement Analysis and Evaluation</td>
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<tr>
<td>9.30</td>
<td>Coffe Break</td>
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<tr>
<td>9.30</td>
<td>Mon-Ses1-P1</td>
<td>Donatello Pala Congressi</td>
<td>Paralinguistic Information: Classification and Detection</td>
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<tr>
<td>9.30</td>
<td>Mon-Ses1-P2</td>
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<td>Applications for learning, education, aged and handicapped persons</td>
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<td>9.30</td>
<td>Mon-Ses1-P3</td>
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<td>Robust Speech Recognition I</td>
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<tr>
<td>9.30</td>
<td>Mon-Ses1-P4</td>
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<td>ASR: Acoustic Models I</td>
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<tr>
<td>10.00</td>
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<td>Auditorium Pala Congressi</td>
<td>Speaker Recognition - Analysis and Statistics I</td>
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<td>10.00</td>
<td>Mon-Ses2-02</td>
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<td>Speech Production - Coarticulation and Speech Timing</td>
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<tr>
<td>10.00</td>
<td>Mon-Ses2-03</td>
<td>Valfonda 2 Pala Congressi</td>
<td>Speech Segmentation</td>
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<tr>
<td>10.00</td>
<td>Mon-Ses2-04</td>
<td>Faenza 1 Pala Congressi</td>
<td>ASR: Acoustic Models II</td>
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<tr>
<td>10.00</td>
<td>Mon-Ses2-05</td>
<td>Faenza 2 Pala Congressi</td>
<td>Robust Speech Recognition II</td>
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<td>11.00</td>
<td>Lunch</td>
<td>1st floor</td>
<td>“Students Meet Their Seniors” - Pala Affari - 1st floor</td>
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<td>12.00</td>
<td>Mon-Ses2-P1</td>
<td>Donatello Pala Congressi</td>
<td>Source Separation and Speech Enhancement</td>
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<tr>
<td>12.00</td>
<td>Mon-Ses2-P2</td>
<td>Donatello Pala Congressi</td>
<td>Speech Synthesis III: HMM-based Speech Synthesis</td>
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<td>12.00</td>
<td>Mon-Ses2-P3</td>
<td>Donatello Pala Congressi</td>
<td>Phonetics &amp; Phonology, Stress, accent, rhythm</td>
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<tr>
<td>12.00</td>
<td>Mon-Ses2-P4</td>
<td>Donatello Pala Congressi</td>
<td>ASR: search, keyword spotting and confidence measures - I</td>
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<tr>
<td>13.30</td>
<td>Mon-Ses2-P5</td>
<td>Donatello Pala Congressi</td>
<td>Show &amp; Tell Demonstration - Speech Systems and Applications</td>
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<td>13.30</td>
<td>Mon-Ses3-01</td>
<td>Auditorium Pala Congressi</td>
<td>Speaker Recognition - Analysis and Statistics II</td>
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<tr>
<td>13.30</td>
<td>Mon-Ses3-02</td>
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<td>Physiology and pathology of spoken language</td>
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<tr>
<td>13.30</td>
<td>Mon-Ses3-03</td>
<td>Valfonda 2 Pala Congressi</td>
<td>ASR: lexical, prosodic and multi-lingual models</td>
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<tr>
<td>13.30</td>
<td>Mon-Ses3-04</td>
<td>Faenza 1 Pala Congressi</td>
<td>Source Separation</td>
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<tr>
<td>13.30</td>
<td>Mon-Ses3-05</td>
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<td>Multimodal signal processing</td>
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<tr>
<td>15.30</td>
<td>Mon-Ses3-P1</td>
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<td>Pitch Processing; Singing Voice Analysis</td>
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<td>15.30</td>
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<td>15.30</td>
<td>Mon-Ses3-P3</td>
<td>Donatello Pala Congressi</td>
<td>Discourse and Dialogue</td>
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<tr>
<td>15.30</td>
<td>Mon-Ses3-P4</td>
<td>Donatello Pala Congressi</td>
<td>SLP for Speech Translation, Information Extraction and Retrieval</td>
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<tr>
<td>17.00</td>
<td>Mon-Ses3-P5</td>
<td>Donatello Pala Congressi</td>
<td>Speech Synthesis IV: Selected Topics</td>
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<tr>
<td>18.00</td>
<td>ISCA General Assembly</td>
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<tr>
<td>19.00</td>
<td>Student Reception</td>
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<tr>
<td>20.00</td>
<td>Reviewer Reception</td>
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### Tuesday - August 30th 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Oral</th>
<th>Special (oral/ poster)</th>
<th>Poster</th>
<th>Special (poster)</th>
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<tbody>
<tr>
<td>8.00</td>
<td>Conference Registration - Pala Affari (closes at 17.00)</td>
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<tr>
<td>8.30</td>
<td>Mon-K3 - Keynote 3 - Auditorium Pala Congressi</td>
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<tr>
<td>8.45</td>
<td>Prof. Sandy Pentland Honest Signals</td>
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<tr>
<td>9.30</td>
<td>Coffe Break</td>
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<tr>
<td>10.00</td>
<td>Tue-Ses1-O1 ASR: language models II</td>
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<tr>
<td></td>
<td>Tue-Ses1-O2 Phonology and Phonetics</td>
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<td></td>
<td>Tue-Ses1-O3 Voice Conversion</td>
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<td></td>
<td>Tue-Ses1-O4 Robust Speech Recognition III</td>
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<td></td>
<td>Tue-Ses1-O5 Spoken Language Understanding</td>
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<tr>
<td>12.00</td>
<td>Lunch</td>
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<tr>
<td>13.30</td>
<td>Tue-Ses2-O1 Dialect and accent identification</td>
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<tr>
<td></td>
<td>Tue-Ses2-O2 First Language Acquisition</td>
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<td></td>
<td>Tue-Ses2-O3 ASR: Acoustic Models III</td>
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<td>Tue-Ses2-O4 Spoken Dialogue Systems - I</td>
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<td>Tue-Ses2-O5 Spoken Language Resources, Evaluation and Standardization - II</td>
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<tr>
<td></td>
<td>Tue-Ses2-S1-O Spoken language processing of human conversations</td>
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<td></td>
<td>Tue-Ses2-S1 Spoken language processing of human conversations</td>
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<td>15.30</td>
<td>Coffe Break</td>
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<tr>
<td>16.00</td>
<td>Tue-Ses3-O1 Language identification</td>
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<td>Tue-Ses3-O2 Second Language acquisition development and learning</td>
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<td>Tue-Ses3-O3 ASR: search, keyword spotting and confidence measures - III</td>
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<td>Tue-Ses3-O4 SLP for Information Extraction and Retrieval - I</td>
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<td></td>
<td>Tue-Ses3-S1-O Speech and audio processing for human-robot interaction</td>
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<td>Tue-Ses3-S1-P Speech and audio processing for human-robot interaction</td>
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<tr>
<td>17.00</td>
<td>Banquet - Gala Dinner at &quot;Villa Castelletti&quot;</td>
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<td>20.00</td>
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## Wednesday - August 31st 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>8.00</td>
<td>Conference Registration - Pala Affari (closes at 12:00)</td>
<td>Pala Congressi</td>
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<tr>
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<td>Mon-1A - Keynote 4 - Auditorium Pala Congressi</td>
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<tr>
<td></td>
<td>Prof. Gabriele Miceli, Prof. Björn Granström, Prof. Hiroshi Ishiguro</td>
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<tr>
<td></td>
<td>Round Table: Future and Applications of Speech and Language Technologies for the Good Health of Society</td>
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<tr>
<td>9.45</td>
<td>Coffee Break</td>
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<td>10.00</td>
<td>Wed-Ses1-01 Speaker diarization - I</td>
<td>Auditorium Pala Congressi</td>
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<td></td>
<td>Wed-Ses1-02 Prosody - I</td>
<td>Leonardo Pala Affari</td>
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<td></td>
<td>Wed-Ses1-03 ASR: new paradigms</td>
<td>Brunelleschi Pala Congressi</td>
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<td></td>
<td>Wed-Ses1-04 Spoken Dialogue Systems - II</td>
<td>Michelangelo Pala Affari</td>
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<td>Wed-Ses1-05 Speaker State Challenge - Intoxication and Sleepiness - I</td>
<td>Raffaello Pala Affari</td>
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<tr>
<td></td>
<td>Wed-Ses1-S2-O Speech Technology for Under-Resourced Languages</td>
<td>Caravaggio Pala Affari</td>
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<td>Wed-Ses1-S2-P Speech Technology for Under-Resourced Languages</td>
<td>Valfonda 1 Pala Congressi</td>
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<td></td>
<td>Wed-Ses1-P1 Human speech production - II</td>
<td>Valfonda 2 Pala Congressi</td>
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<td>Wed-Ses1-P2 Systems for LVCSR and rich transcription</td>
<td>Faenza 1 Pala Congressi</td>
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<td>Wed-Ses1-P3 Language, dialect identification and Speaker diarization</td>
<td>Faenza 2 Pala Congressi</td>
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<td></td>
<td>Wed-Ses1-P4 Paralinguistic Information: Analysis and Tools</td>
<td>Donatello Pala Congressi</td>
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<tr>
<td></td>
<td>Speech Processing Tools</td>
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<tr>
<td>11.00</td>
<td>Lunch</td>
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<tr>
<td>12.00</td>
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<td>13.00</td>
<td>Wed-Ses2-01 Speaker diarization - II</td>
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<td>Wed-Ses2-02 Prosody - II</td>
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<td>Wed-Ses2-03 Adaptation for ASR</td>
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<td></td>
<td>Wed-Ses2-04 SLP for Information Extraction and Retrieval - II</td>
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<td>Wed-Ses2-05 Speaker State Challenge - Intoxication and Sleepiness - II</td>
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<td>Wed-Ses2-S2-O Speech Technology for Under-Resourced Languages</td>
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<td></td>
<td>Wed-Ses2-P1 Human speech production - II</td>
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<td>Wed-Ses2-P2 Systems for LVCSR and rich transcription</td>
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<td></td>
<td>Wed-Ses2-P3 Language, dialect identification and Speaker diarization</td>
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<td></td>
<td>Wed-Ses2-P4 Paralinguistic Information: Analysis and Tools</td>
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<tr>
<td></td>
<td>Speech Processing Tools</td>
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<tr>
<td>15.00</td>
<td>Coffee Break</td>
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<tr>
<td>16.00</td>
<td>Closing Ceremony (until 17:30)</td>
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Venue Floor Plan

PALAZZO DEI CONGRESSI
Villa “Vittoria”

Auditorium

Passi Perduti
### Conference Rooms

#### Saturday 27th

<table>
<thead>
<tr>
<th>Room</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leonardo (250-280)</td>
<td>Pala Affari - (ground floor)</td>
</tr>
<tr>
<td>Michelangelo (200)</td>
<td>Pala Affari - (2nd floor)</td>
</tr>
<tr>
<td>Raffaello (250)</td>
<td>Pala Affari - (3rd floor)</td>
</tr>
<tr>
<td>Caravaggio (Adua 1) (150)</td>
<td>Pala Affari - (1st floor)</td>
</tr>
<tr>
<td>Botticelli (Adua 2) (140)</td>
<td>Pala Affari - (2nd floor)</td>
</tr>
<tr>
<td>Slide Center 2</td>
<td>Pala Affari - (1st floor)</td>
</tr>
<tr>
<td>&quot;Students Meet Seniors&quot; - Lunch Room</td>
<td>Pala Affari - (1st floor)</td>
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#### Sunday 28th-31st

<table>
<thead>
<tr>
<th>Room</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auditorium</td>
<td>Pala Congressi</td>
</tr>
<tr>
<td>Leonardo (250-280)</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Michelangelo (200)</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Brunelleschi - (green) (270)</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Raffaello (250)</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Caravaggio (Adua 1) (150)</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Botticelli (Adua 2) (140)</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Donatello (Onice) Show&amp;Tell</td>
<td>Palazzo degli Affari</td>
</tr>
<tr>
<td>Masaccio (226)</td>
<td>Palazzo degli Affari</td>
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<tr>
<td>Ghirlandino (326)</td>
<td>Palazzo degli Affari</td>
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<tr>
<td>Slide Center 2</td>
<td>Palazzo degli Affari</td>
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<tr>
<td>Club Room - Internet Point</td>
<td>Palazzo degli Affari</td>
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#### Auditorium

<table>
<thead>
<tr>
<th>Room</th>
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<tbody>
<tr>
<td>Valfonda 1 - (gallery) (posters)</td>
<td>Passi Perduti - Ballatoio P1</td>
</tr>
<tr>
<td>Valfonda 2 - (gallery) (posters)</td>
<td>Passi Perduti - Ballatoio P2</td>
</tr>
<tr>
<td>Faenza 1 - (gallery) (posters)</td>
<td>Passi Perduti - Ballatoio P1</td>
</tr>
<tr>
<td>Faenza 2 - (gallery) (posters)</td>
<td>Passi Perduti - Ballatoio P2</td>
</tr>
<tr>
<td>Slide Center 1 (main)</td>
<td>Passi Perduti</td>
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</tbody>
</table>