Cari Colleghi,

l'Associazione Italiana di Acustica AIA , l' Associazione Tedesca di Acustica DEGA e l'European Acoustics Association EAA organizzano dal 15 al 21 Marzo 2013 a Merano il Congresso Internazionale di Acustica EUROREGIO (www.aia-daga.eu) con oltre 1000 partecipanti tra ricercatori, professionisti, studenti.

Nei primi 3 giorni dell'evento (15-18 Marzo 2013) è prevista una WINTER SCHOOL con specifici corsi di formazione (vedi programma allegato).
I corsi "**Hot Topics"** sono destinati a dottorandi, giovani ricercatori e riguarderanno specifici argomenti di ricerca mentre il corso **"Approaching Acoustics"** è rivolto a **studenti universitari europei** che, in qualche modo, intendono avvicinarsi al mondo delle applicazioni dell' acustica.
Per questo saranno tenute da parte di esperti nella ricerca, nell'industria e nella professione libera, lezioni che spaziano dall'acustica architettonica, al controllo del rumore, agli ultrasuoni, all'acustica musicale ecc..

La partecipazione al corso "**Approaching Acoustics**" è gratuita e per 100 studenti sarà offerta l'ospitalità in albergo in camera doppia per 3 notti.

Vi chiedo di promuovere questa iniziativa internazionale presso i vostri Atenei e, innanzitutto, all'interno dei vostri corsi di insegnamento.

Gli studenti (laurea triennale o laurea specialistica) possono registrarsi al corso "Approaching Acoustics" entro il 1 Dicembre 2012 seguendo le istruzioni riportate sul sito www.aia-daga.eu.
L'elenco degli allievi selezionati sarà reso noto entro il 20 dicembre 2012.

Per qualsiasi informazioni potete contattarmi all'indirizzo:
luigi.maffei@unina2.it

Cordiali saluti,

Luigi Maffei

EAA Coordinator for the
2013 WINTER SCHOOL

EAA Winter School ……Merano (ITALY)……15-18 March 2013

Coordinators: Kristian Jambrosic, Luigi Maffei, Michael Vorländer

A "Winter School" for young acousticians will be organized and sponsored by **EAA** during the days before the Conference AIA-DAGA-EUROREGIO 2013.
The Winter School will be held at the **Kurhaus** (venue of the Conference)
AIA and **DEGA** will cosponsor the event.
Included is also a sponsored social program with get-togethers, evening events and a lot of opportunities of "student meets expert".

Courses
1." **Approaching Acoustics**" course (max 100 participants, no registration fee, free hotel accommodation for 3 nights: Thurs. 15/3 in, Sunday 17/3 out).
Start Friday 15.3.2013 at 8.30 and end Sunday 17.3.2013 at 15.00.
The course is reserved for undergraduate students in the third year or for students in a Master program. Acoustic fundamentals are briefly illustrated, and various fields of applications related to job profiles are introduced (Hearing, Measurements, Acoustic materials, Noise control, Room acoustics, Sound Design, Underwater Sound, Ultrasound, Musical Acoustics).
Teachers will be: Michael Vorländer, Steven van der Par, Peter Svensson, Paolo Bonfiglio, Joachim Scheuren, Martijn Vercammen, Klaus Genuit, Michael Taroudakis.

Please note:
The deadline for pre-registering for the "Approaching acoustics" course is 1 December 2012.
The final list of the Approaching acoustics course participants will be announced on 20 December 2012 to all who registered.

2. **Five** parallel courses on "**Hot Topics in Acoustics**" (max 20-30 participant/course, participant must register at the Conference at the specific registration fees).
Start Saturday 16.3.2013 at 8.30 and end Sunday 17.3.2013 at 15.00.
The courses are reserved to PhD students and young researchers (under 40 years old) that are already involved in acoustics studies.

Hot Topic- Course A.
Title: **Cutting Edge of Spatial Audio**
Didactic organizer: Franz Zotter
Lectures on:

- Acoustic models of spatial hearing and localization including height
- Neurological processing of spatial hearing in our brain and parametric spatial audio
- Spherical array processing for the decomposition of spatial sound
- Sound field analysis using distributed microphone array networks
- Spatial sound synthesis with loudspeakers

- Psychoacoustic experiments with loudspeaker-based virtual acoustics

Teachers: Piotr Majdak, Ville Pulkki, Craig Jin, Maurizio Omologo, Sascha Spors, Florian Völk

Hot Topic- Course B.
Title: **Computational Acoustics**
Didactic organizers: Andrew Peplow, Martin Ochmann
Lectures on:

- Perspectives of acoustical FEM and BEM hot topics
- Non-matching grid techniques for acoustical FEM
- Waveguide finite elements
- New Green's functions for BEM
- Special applications of BEM in flow acoustics

Teachers: Manfred Kaltenbacher, Elisabetta Manconi, Martin Ochmann, Andrew Peplow, Rafael Piscoya

Hot Topic- Course C.*
Title: **Synergies between Environmental Noise Control and Soundscape Approach**
Didactic organizer: Jian Kang
Lectures on:

- Basic concepts in environmental noise control and soundscapes
- Soundscape framework
- Auditory cognition and soundscape
- Standards applicable to soundscape studies
- Health inclusive - why?
- The soundscape approach as a tool for the environmental assessment of new large scale projects
- Practical soundscape examples

Teachers: Brigitte Schulte-Fortkamp, Jian Kang, Dick Botteldooren, Truls Gjestland, Peter Lercher, Luigi Maffei, José Luis Bento Coelho, Max Dixon, Lisa Latvia
* this course is sponsored by **COST TD-0804** " Soundscape of European Cities and Landscapes"

Hot Topic- Course D.
Title: **Understanding Musical Instruments in Theory and Praxis**
Didactic organizer: Malte Kob
Lectures on:

- Generation, propagation and perception of music instruments
- Wind instruments: Function, sound analysis, impedance measurements
- String instruments: Function, sound analysis, modal analysis
- Voice: Function, sound analysis, voice quality

Teachers: Wilfried Kausel, Lamberto Tronchin, Malte Kob

Hot Topic- Course E*.
Title: **Introduction to Aeroacoustics**
Didactic organizer: Yves Auregan
Lectures on:

- Introduction to Fluid dynamic and Aeroacoustics
- Aeroacoustics for confined low Mach number flows
- Linear Aero-acoustic models and Whistling
- Measuring techniques
- Noise from turbulence, jet noise
- Introduction to the noise of Rotating machines

Teachers: Christophe Schram, Sjoerd Rienstra, Mats Åbom, Yves Auregan, Hans Bodén
* this course is sponsored by **ITN Marie Curie** "Silent Air Flows in transport, buildings and power generation- FlowAirS"