



## Conference Guide

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KTH Royal Institute of Technology  
Sound and Music Computing Group



**This booklet** contains general information on the SMAC/SMC 2013 conferences.

In your conference pack, you will find also

- **Programme and Abstracts** book, for the scientific sessions
- **Concert Programme** book, for the evening concerts at KMH
- KTH Royal Institute of Technology **Welcome Pack** (maps, brochure)

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## SPONSORS

The organising committee of SMAC and SMC 2013 gratefully acknowledge the generous support of our sponsors.



KTH Royal Institute of Technology

KTH School of Computer Science and  
Communication



Royal College of Music



City of Stockholm



European Acoustics Association



YAMAHA  
PIANO  
CENTER

Yamaha Piano Center, Stockholm

This double conference is hosted by  
Sound and Music Computing Group  
Department of Speech, Music and Hearing  
School of Computer Science and Communication  
KTH Royal Institute of Technology

The concert evenings are hosted by  
KMH Royal College of Music

## Welcome!

Dear colleagues and friends,

on behalf of the SMAC and SMC organising committee, we are very pleased to welcome you to Stockholm, for the fourth decadian Stockholm Music Acoustics Conference and the tenth annual Sound and Music Computing Conference. We are sure that you will find the conference programmes busy and interesting, and that you will make many fruitful new contacts and have some enriching experiences. We hope that this meeting will meet your expectations, and that during your stay you will find time also to see something of our beautiful city.

We would like to thank the many people who have helped make this event happen: the reviewers, many of whom are attending; the Programme Committee, who acted as meta-reviewers of the hundreds of submissions, and all our local staff at KTH and KMH. We would also like to thank our sponsors: KTH, KTH School of Computer Science and Communication, KMH Royal College of Music, the European Acoustics Association, the City of Stockholm, and the Yamaha Piano Center.

Most of all, thank you for coming to SMAC/SMC 2013 from all over the world! Enjoy the conference!

*Sten Ternström*  
Chair, SMAC

*Roberto Bresin*  
Chair, SMC

*Bill Brunson*  
Chair, Music Programme

## Useful telephone numbers

General emergency 112  
KTH security 08 790 7700  
International prefix 00

Registration and accommodation  
Reachem 08 410 30 150

General issues  
Carina Lingonbacke 070 622 7559  
Sten Ternström 070 722 0911

“Taxi Stockholm” 08 15 00 00  
“Taxi 020” 020 20 20 20  
Stockholm Local Transport (SL) 08-600 1000

## Useful sites

Online calendar of the full SMAC/SMC conference programmes, with abstracts:  
<http://www.speech.kth.se/smac-smc-2013/programme.html>

Stockholm Public Transport (SL)  
<http://sl.se/en/Visitor/Plan-your-journey/>

Airport info, current flight arrivals and departures  
Arlanda airport: [www.arlanda.se/en](http://www.arlanda.se/en)  
Bromma City airport: [www.swedavia.com/bromma/](http://www.swedavia.com/bromma/)  
Skavsta airport: [www.skavsta.se/en/](http://www.skavsta.se/en/)

## SAFETY INFORMATION

Call 112 in an emergency (fire, medical) . The address is KTH, Lindstedtsvägen 26.

The number of the KTH Security Unit is 08-790 7700, on call 24 hours.

The conference rooms are locked and alarmed overnight from 18.00 to 08.00.

## SECURITY

We are pleased that the KTH campus is an open environment. However, the conference crowd and the outdoor signs to the conference may attract also unauthorised persons. Although we try to ensure that everyone present actually belongs to the conference, there is a clear risk for intrusion. Regrettably, we have experienced some flagrantly bold thefts of laptops during earlier conferences in this venue. Therefore, please be sure to **wear your conference badge at all times** when at KTH and at KMH. Never leave your valuables unattended in the auditoria or in any other rooms. Please alert the conference staff if you notice anyone who seems not to belong to the conference.

## CONFERENCE STAFF

You can recognise the local staff of KTH and KMH by the green dot on their name badge. Do not hesitate to contact the conference staff in any matter for which you require assistance.

The conference registration and info desk is in the lobby at Lindstedtsvägen 26, outside hall F2, where staff from Reachem AB handles all registration and hotel issues. Its opening hours are

Tuesday 13.00-15.30

Tuesday 17.00-20.00 (at the Welcome Reception, at KMH Royal College of Music)

Wednesday 08.30–17.00

Thursday 08.30–17.00

Friday 09.00–17.00

Saturday 09.00-15.00

e-mail: [info@reachem.se](mailto:info@reachem.se), phone 08 410 30 150.

## LOCATIONS

General

Address of conference venue: Lindstedtsvägen 26

Nearest underground station: Tekniska Höskolan

Coupons valid for Stockholm public transport are sold at the conference registration desk (card payment only).

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### Getting to the Royal College of Music (KMH)

*Welcome Reception Tuesday 17.00-20.00*

*Evening Concerts Tuesday, Wednesday, 18.00-20.00*

*Evening Concert Thursday 21.00-23.00*

The Royal College of Music (Kungliga Musikhögskolan, KMH) is located at Valhallavägen 105 in the northern part of central Stockholm. It is conveniently accessible by subway and bus. It is a short walk of 10-15 minutes from the main conference venue at KTH; just follow the boulevard Valhallavägen to the east.

Overview map: <http://www.kmh.se/how-to-find-us>

Map of buildings: <http://www.kmh.se/campus-map>

**By Subway** to T-bana *Stadion*: KMH is served by the no. 14 line (Red line). The end stations are Mörby Centrum (to the north) and Fruängen (to the south). All subway trains are local. Take the Red line (#14) to the Stadion stop. Use the Valhallavägen exit. You will also see signs pointing in the direction of Musikhögskolan.

**Bus:** the No. 4 bus (blue bus) stops at the subway station (Stadion) on Valhallavägen. The stop is called Musikhögskolan.

Having arrived at *Stadion*: Once on the street at the subway or bus stop, look for a round apartment tower. Walk towards the tower. As you near the tower, turn left up a slight hill towards the main entrance in a yellow brick building behind the current construction site.

Getting to the **Music Pub venue** on Wednesday evening

*Music pub at Brinellvägen 25 on the KTH campus, Wednesday 20.00-23.00.*

After the concert at KMH, there will be a pub evening of music, with top-notch live performers, and complimentary beer and snacks. The location is within walking distance on the KTH campus, indicated by “Music Pub” on the map on the next page.

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Getting to the **City Hall** on Thursday evening

*Reception and guided tour, courtesy of the City of Stockholm, Thur 19.00-21.00*

While this is a complimentary event, you will absolutely need your **personal ticket** to be admitted – please do not forget to bring it.

Allow at least 35 minutes from KTH, and be sure to be there well before 19.00.

Take the underground (T-bana) from Tekniska Högskolan, southbound to T-Centralen, three stops. Choose the underground exit toward the Central Station, walk straight ahead through the underground walkway, but exit to the street level on Vasagatan rather than entering the Central Station proper.

Walk south on Vasagatan and you will see the tall red brick tower of the City Hall to your right. Once there, enter through the arch on the north side into the central courtyard. There will be a guided tour of the magnificent building, and a standing buffet dinner, courtesy of the City of Stockholm.

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Getting to the **banquet ship** on Friday evening

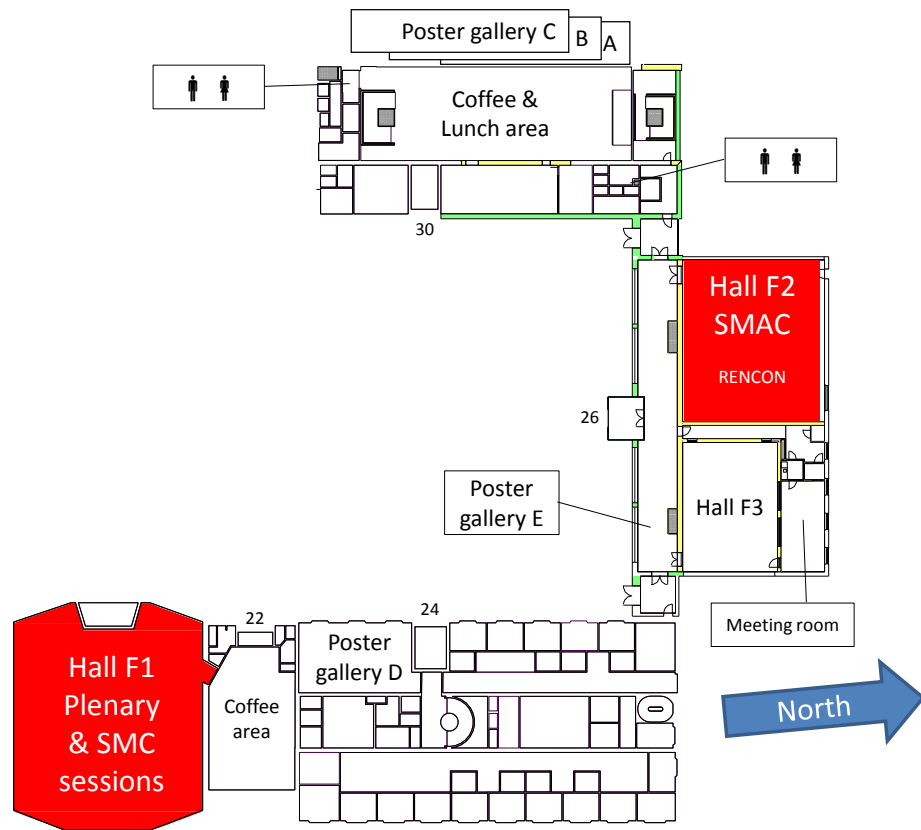
*Boat trip and buffet banquet, Waxholms kastell, 18.00-23.00*

Take the underground (T-bana) southbound to Östermalmstorg (two stops). Choose the exit toward Birger Jarlsgatan. Once on Birger Jarlsgatan, walk south until you reach the water. With the water to your right-hand side, follow the quayside and go past the National Theatre along Strandvägen to Kajplats 12 (berth 12). Please **bring your ticket** and note that the ship departs at 18.00, we can not await latecomers.



Maps

Larger maps of the KTH campus and of downtown Stockholm are included in the KTH Welcome Pack.



## WIRELESS INTERNET

The KTH campus has **eduroam** coverage.

In addition, the WiFi network **KTH-Conference** is available to all participants, free of charge. Conference password: WfMvFjgc

## SESSION CHAIRS

If you have any questions or special concerns for your presentation, please contact the chairperson of your session, or the A/V-technician on duty in the hall.

### SMAC SESSIONS

Day	Times	Topic	Chairperson
Wednesday	11.00 – 14.45	Woodwinds	<i>Murray Campbell</i>
	15.30 – 17.00	Woodwinds	<i>Miko Hirschberg</i>
Thursday	09.00 – 12.00	Singing	<i>Johan Sundberg</i>
	13.30 – 14.15	Singing	<i>Sten Ternström</i>
	14.15 – 16.30	Brass instruments	<i>Benoit Fabre</i>
Friday	09.00 – 12.00	Violin acoustics	<i>Anders Askenfelt</i>
	14.00 – 17.00	Violin acoustics	<i>Matthias Demoucron</i>
Saturday	09.30 – 12.00	Physics-based modeling	<i>Vesa Välimäki</i>
	13.15 – 14.45	Percussion	<i>Gary Scavone</i>

### SMC SESSIONS

Day	Times	Topic	Chairperson
Wednesday	11.00 – 12.00	Perception	<i>Bruno Giordano</i>
	13.30 – 14.45	HMI 1	<i>Bruce Walker</i>
	15.30 – 17.00	Music performance 1	<i>Tuomas Eerola</i>
Thursday	09.00 – 10.00	HMI 2	<i>Anna Rita Addessi</i>
	10.00 – 12.00	Sonic interaction design	<i>Alexander R Jensenius</i>
	13.30 – 14.15	Sound processing 1	<i>Federico Avanzini</i>
	14.15 – 14.45	MIR 1	<i>Emilia Gomez</i>
	15.30 – 16.15	Music performance 2	<i>Giovanni De Poli</i>
Friday	16.15 – 17.00	Sound processing 2	<i>Stefania Serafin</i>
	09.00 – 10.00	Sound processing 3	<i>Gianpaolo Evangelista</i>
	10.00 – 10.30	HMI 3	<i>Anders Friberg</i>
	11.00 – 12.00	MIR 2	<i>Xavier Serra</i>
	14.00 – 15.00	Music performance 3	<i>Werner Goebel</i>
	15.30 – 17.00	MIR 3	<i>Sofia Dahl</i>

### Instructions for oral presenters

The total time for normal oral presentations is 15 minutes, which we recommend as 12 minutes for presentation, 2 minutes for questions and 1 minute for changeover. Please respect these time constraints. If necessary, be prepared to setup your presentation during the question period of the preceding speaker. Invited speakers have 30 minutes, and keynote speakers have 45 minutes.

For smooth transitions, we prefer that you bring your slideshow file(s) on a USB memory stick that is free from viruses and malware. We realise that you may want to use your own computer instead, if your presentation has special technical needs. For testing, please contact the hall A/V technician in a same-day break before your presentation, especially if it contains audio and/or video. Both halls have a stereo sound system of good quality. And well before your session starts, please introduce yourself to the session chairperson.

### Instructions for poster presenters

**Mounting:** The posters stands are made from white carton, 0.90 meters wide and 1.90 meters high. Pins will be provided for mounting; or bring your own. Adhesive tape or staples are not permitted, as they tend to damage the cartons, preventing their re-use.

**Duration:** The posters will be on exhibit throughout the conference. It is the responsibility of the poster presenter to mount the poster in its assigned location, and also to remove it prior to departure. Posters remaining after the conference will be thrown away.

**Location:** posters are assigned thematically into one of five galleries A, B, C, D and E. Lists with the locations of all posters are posted at the registration desk and in these galleries. It will help to know the EasyChair submission number of your poster.

There will be several “Poster Craze” sessions of 15 minutes, during which a large number of poster presenters are given a maximum of 60 seconds each to say a few words about their poster. During these sessions, one single slide per poster will be projected. To keep time, you are asked kindly to line up for the podium in the given order. The sequence for the Poster Craze sessions is given in a list that you need to pick up at the registration desk.

For some SMAC posters, there will instead be special Structured Poster sessions in the lunch breaks; and for these posters, no slide is needed.

### Instructions for session chairpersons

The role of the chairperson is crucial to a smoothly running conference, and your service is much appreciated. Speakers are asked to limit their talk to 12 minutes, leaving 2 minutes for questions, and 1 minute for changeover to the next speaker. Please indicate to the speaker when 10 of the 12 minutes have passed, using the means provided. Please indicate also to the following speaker, if any, when he or she can start setting up; typically during the brief question period. It is very important to stick to the time schedule, as participants may want to alternate between the two parallel sessions SMAC and SMC. If a presentation is cancelled at short notice, please use the vacant time for discussion or for a breather. Do not start presentations ahead of time.

## CONFERENCE PROCEEDINGS

The SMAC and SMC 2013 **Conference Proceedings** (R. Bresin, A. Askenfelt, *Eds.*) with the full papers, are in two large volumes, for SMAC and SMC respectively. For the sake of the environment, the integrity of your spine, and weight allowance on flights, these are not included in the conference pack. The preferred form of delivery is by PDF download from the conference web page. In order to procure ISBN numbers for the proceedings, a very limited edition of paper copies has been produced. A few of these veritable collector's items are on sale at the registration desk. We have also made print-on-demand arrangements, so that you can obtain paper copies later, e.g., for your library. Instructions will be found on the conference web page.

## POSTER CRAZE SCHEDULE

The paper numbers given here are those used in the Programme and Abstracts book. Poster presenters please pick up the list by name and EasyChair submission number at the registration desk.

SMAC		Hall F2			
Wednesday 31 July 12:00 - 12:15		Wednesday 31 July 14:45 - 15:00		Thu 1 Aug 12:15 - 13:15	Fri 2 Aug 12:15 - 13:15
<b>Poster Craze I</b>		<b>Poster Craze II</b>		<b>Structured Poster Sessions Hall F3</b>	
<b>Woodwinds</b>	<b>Singing</b>	<b>Violins</b>	<b>Brass</b>	<b>MA Education</b>	<b>Guitars</b>
Wo 1P	Si 1P	Vi 1P	Br 1P	MAE 1P	Gi 1P
Wo 2P	Si 2P	Vi 2P	Br 2P	MAE 2P	Gi 2P
Wo 3P	Si 3P	Vi 3P		MAE 3P	Gi 3P
Wo 4P	Si 4P	Vi 4P	<b>Phys. Modeling</b>	MAE 4P	Gi 4P
Wo 5P	Si 5P	Vi 5P	PM 1P		Gi 5P
Wo 6P	Si 7P	Vi 6P	PM 2P		Gi 6P
Wo 7P	Si 6P	Vi 7P	PM 3P		Gi 7P
Wo 8P	Si 8P				Gi 8P
Wo 9P	Si 9P				Gi 9P
Wo 10P					

SMC		Hall F1			
Wednesday 31 July 12:00 - 12:15		Wednesday 31 July 14:45 - 15:00	Thursday 1 Aug 12:00 - 12:15	Thursday 1 Aug 14:45 - 15:00	
<b>Poster Craze 1</b>		<b>Poster Craze 2</b>	<b>Poster Craze 3</b>	<b>Poster Craze 4</b>	
<b>Perception</b>	<b>Music Inf. Retrieval</b>	<b>Human-machine Interaction</b>	<b>Performance</b>	<b>Sound Processing</b>	<b>Sound Inter. Design</b>
PERC 1P	MIR 1P	HMI 1P	PERF 1P	SP 1P	SID 1P
PERC 2P	MIR 2P	HMI 2P	PERF 2P	SP 2P	SID 2P
PERC 3P	MIR 3P	HMI 3P	PERF 3P	SP 3P	SID 3P
PERC 4P	MIR 4P	HMI 4P	PERF 4P	SP 4P	SID 4P
PERC 5P	MIR 5P	HMI 5P	PERF 5P	SP 5P	SID 5P
PERC 6P	MIR 6P	HMI 6P	PERF 6P	SP 6P	
PERC 7P	MIR 7P	HMI 7P	PERF 7P	SP 7P	
PERC 8P		HMI 8P	PERF 8P	SP 8P	
		HMI 9P	PERF 9P	SP 9P	
		HMI 10P	PERF 10P	SP 10P	
		HMI 11P	PERF 11P	SP 11P	
		HMI 12P	PERF 12P	SP 12P	
		HMI 13P	PERF 13P		
		HMI 14P	PERF 14P		
		HMI 15P	PERF 15P		
		HMI 16P	PERF 16P		
		HMI 17P			

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## SMAC - Lecture Hall F2

Time	Tue 30 Jul	Wed 31 Jul	Thu 1 Aug	Fri 2 Aug	Sat 3 Aug
9:00 - 9:15			INV Si 7 K.I. Sakakibara	Knut G. in mem. INV Vi 1	(sleep in)
9:15 - 9:30		OPENING Hall F1	Si 2	INV Vi 1 Jim Woodhouse	INV PM1 A. Chaigne
9:30 - 9:45			Si 3	INV Vi 2 Evan Davs	PM 2
9:45 - 10:00		KEYNOTE Xavier Serra Hall F1	Si 4	Vi 5	PM 3
10:00 - 10:15			Si 5 & 6		
10:15 - 10:30			COFFEE		
10:30 - 10:45					
10:45 - 11:00					
11:00 - 11:15		INV Wo 1	Si 7	Vi 6	PM 4
11:15 - 11:30		Joe Wolfe	Si 8	Vi 7	PM 5
11:30 - 11:45		Wo 2	Si 9	Vi 8	PM 6
11:45 - 12:00		Wo 3	Si 10	Vi 9	PM 7
12:00 - 12:15		Poster craze I			
12:15 - 12:30			Structured Poster Session MA Education F3	Structured Poster Session GUITARS F3	LUNCH
12:30 - 12:45		LUNCH			
12:45 - 13:00					
13:00 - 13:15					
13:15 - 13:30	REGISTRATION F2 Lobby ↓				
13:30 - 13:45		Wo 4	Si 11	KEYNOTE Mari Tervaniemi Hall F1	Pe 1
13:45 - 14:00		Wo 5	Si 12	Hall F1	Pe 2
14:00 - 14:15		Wo 6	Si 13	INV Vi 3	Pe 3
14:15 - 14:30	RENCON Computer pianist competition	Wo 7	Br 1	George Stoppari	Pe 4
14:30 - 14:45		Wo 8	Br 2	Vi 10	Pe 5
14:45 - 15:00		Poster craze II	Br 3	Vi 11	Pe 6
15:00 - 15:15			COFFEE	Vi 12	Adjourn
15:15 - 15:30					
15:30 - 15:45	KTH	Wo 9	Br 4		
15:45 - 16:00	Hall F2	Wo 10	Br 5	INV Vi 4	
16:00 - 16:15		Wo 11	Br 6	Claudia Fritz	
16:15 - 16:30		Wo 12	Br 7	Vi 13	
16:30 - 16:45		Wo 13		Vi 14	
16:45 - 17:00		Wo 14		Vi 15	
17:00 - 18:00	Welcome Reception KMH				
18:00 - 19:00	CONCERT KMH				
19:00 - 20:00	CONCERT KMH		RECEPTION City Hall	BANQUET	
20:00 - 21:00					
21:00 - 22:00		Electroacoustic Pub KTH	CONCERT KMH		
22:00 - 23:00					

## SMC - Aitvénssalen F1

Time	Wed 31 Jul	Thu 1 Aug	Fri 2 Aug	Sat 3 Aug
		HMI 5	SP 7	
		HMI 6	SP 8	
	OPENING SESSION	HMI 7	SP 9	SMC Summer school ↓
	KEYNOTE Xavier Serra	HMI 8	SP 10	
		INV SID 1 Bruce Walker	HMI 9	
			HMI 10	
		COFFEE		
		PERC 1	SID 2	MIR 4
		PERC 2	SID 3	MIR 5
		PERC 3	SID 4	MIR 6
		PERC 4	SID 5	MIR 7
	Poster craze 1	Poster craze 3		
		LUNCH		
			KEYNOTE Mari Tervaniemi	
	HMI 2	SP 1		
	HMI 3	SP 2		
	HMI 4	SP 3		
	INV HMI 1	MIR 2		
	Anna Rita Addressi	MIR 3		
	Poster craze 2	Poster craze 4		
		PERF 14		
		COFFEE		
		PERF 2	PERF 8	MIR 8
		PERF 3	PERF 9	MIR 9
		PERF 4	PERF 10	INV MIR 1
		PERF 5	SP 4	Emilia Gomez
		PERF 6	SP 5	INV PERF 1
		PERF 7	SP 6	Tuomas Eerola
	CONCERT KMH	RECEPTION City Hall	BANQUET	
	Electroacoustic Pub KTH	CONCERT KMH		