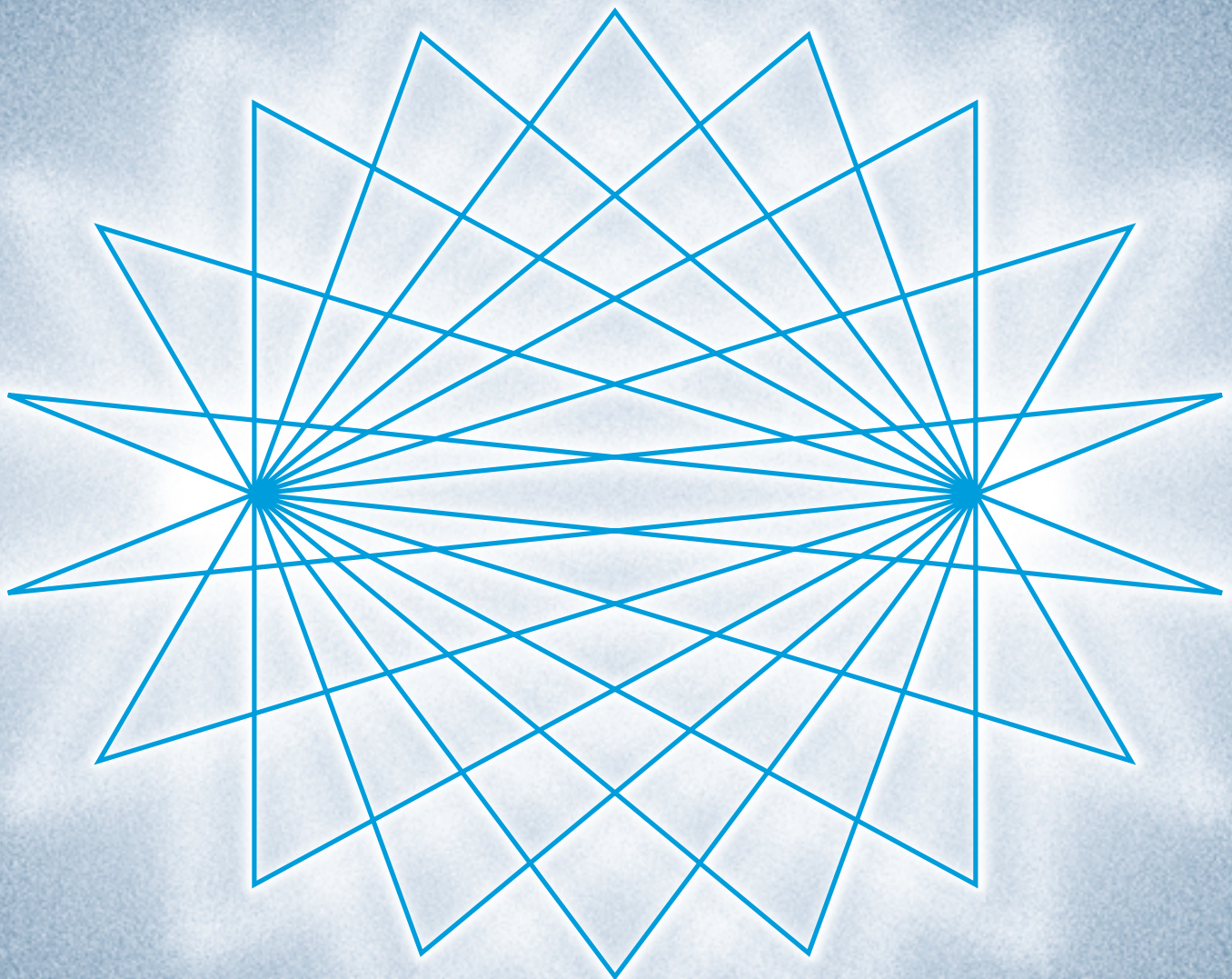


In collaboration with ABTT & ASA

Auditorium Acoustics:

Historical and contemporary design
and performance

19 – 21 July 2002, Imperial College, London



Conference Programme

THURSDAY 18th JULY

Visit to Milton Keynes Theatre

5pm–7pm Registration in reception area, Beit Quadrangle

FRIDAY 19th JULY

MORNING

Registration

Welcome

Architecture, acoustics and design coordination for Sala São Paulo, Brazil

*J Nepomuceno, I Solé and N Dupré
Acustica Et Sônica, Acunha Solé Engenharia, Dupré Arquitetura*

Variable-volume/coupled-volume response at Sala São Paulo

*J Nepomuceno, D Doria and C Blair
Acustica Et Sônica, Artec Consultants, Akustiks*

The perceptual relevance of extant techniques for the objective measurement of spatial impression

R Mason, T Brookes and F Rumsey, University of Surrey

A study of acoustics of worship spaces

R Heng, Sheffield Hallam University

Tea/Coffee

Refurbishment of the Barbican Concert Hall

C Giegold and P Calamia, Kirkegaard Associates

Subjective preference in relation to acoustical parameters at each seat in a concert hall

J Jeon and H J Lee, Hanyang University

Acoustical intimacy in concert halls: does visual input affect the aural experience?

J Hyde, Jerald Hyde Acoustics

The electro-acoustic enhancement of the Adelaide Festival Theatre – A re-sounding success?

P Swift, Bassett Acoustics

Lunch

AFTERNOON

The acoustic design of the Amsterdam Concertgebouw, and resolution of the hall's early acoustical difficulties

P Clements, Kirkegaard Associates

The mystery of the disappearing forestage in the 18th and 19th century opera house and its relevance to both modern staging and the audibility of the singer over the orchestra today

I Mackintosh, Theatre Projects Consultants

Acoustics in ancient performance spaces: a historical review and auralisation

P Chourmouziadou and J Kang, University of Sheffield

Concert hall evolution at the classical age: a personal view

J-D Polack, University Paris VI

Tea/Coffee

Royal Festival Hall: the history and influence of the acoustic design

B Shield, South Bank University

Acoustical problems in large post-war auditoria

J O'Keefe, Aeroacoustics Engineering Ltd.

The place of acoustical design in the renovation of a chapel

E Merida and C Semidor, School of Architecture, Bordeaux

Severance Hall and the development of the sound of the Cleveland Orchestra

P Scarbrough, Akustiks

Auditorium Acoustics

SATURDAY 20th JULY

MORNING

Acoustics versus architecture – two different approaches: the acoustic variability by CARMEN in the Grimaldi Forum Monaco and the National Grand Theatre of China opera house project

J-P Vian, CSTB, France

Barcelona Symphony Hall: L'Auditori

H Arau, Estudi Acustic H Arau

Simulation and measurement of auditorium acoustics – The round robins on room acoustical computer simulation

I Bork, PTB, Germany

The Serralves Auditorium in Porto with concealed alvaro acoustics

D Commins and L Santos, Commins Acoustics Workshop, Absorsor, Portugal

Tea/Coffee

Accuracy of acoustic scale modelling

M Barron, Fleming & Barron

Architectural translation of the acoustical results

S Kouzeleas and C Semidor, School of Architecture, Bordeaux

A comparison between some measurement techniques in the Foligno Auditorium

*A Cocchi, A Farina, L Tronchin and M Cesare
Universities of Bologna and Parma*

AFTERNOON

Absorption by surface diffusers

*T Cox and P D'Antonio, University of Salford,
RPG Diffusor Systems Inc*

Lunch

Variation of energy-based room acoustic parameters within a multipurpose hall

T Gulsrud, Kirkegaard Associates

A recent survey of British auditoria

R Richardson and B Shield, South Bank University

The acoustic design of the Concertgebouw Bruges

H Butcher, Arup Acoustics

The acoustics of the auditorium of the Royal Albert hall before and after redevelopment

R Metkemeijer, Peutz & Associes

Tea/Coffee

The redevelopment of the Royal Albert Hall, 1995 – 2003

I Blackburn and M Ward, Royal Albert Hall, BDP

Visit to Royal Albert Hall

Dinner

Second night of the Proms at Royal Albert Hall

SUNDAY 21st JULY

MORNING

Acoustics of Teatro Arcimboldi in Milano. Part 1: Design, computer model studies, construction

*D Commins, R Pompoli, A Farina, P Fausti and N Prodi
Commins Acoustics Workshop, Universities of Ferrara and Parma*

Acoustics of Teatro Arcimboldi in Milano. Part 2: Scale model studies, final results

*D Commins, R Pompoli, A Farina, P Fausti and N Prodi
Commins Acoustics Workshop, Universities of Ferrara and Parma*

The "Le Muse" Theatre in Ancona: recent developments

A Cocchi and Y Ando, Universities of Bologna and Kobe

Acoustic renovation of two Danish theatres

A-C Gade, Technical University of Denmark

Tea/Coffee

The influence of a large reflector over the orchestra pit in an opera house

T Halmrast, Statsbygg, Norway

A health or a nuisance problem?

A one year noise survey during rehearsals and performances in the Netherlands Ballet Orchestra, a full time professional pit orchestra.

A Boasson, Peutz & Associes

Workshop on opera house objective measurements

Chairman, R Harris, Arup Acoustics

Lunch

Visit to Royal Opera House, Covent Garden
(limited places available)

