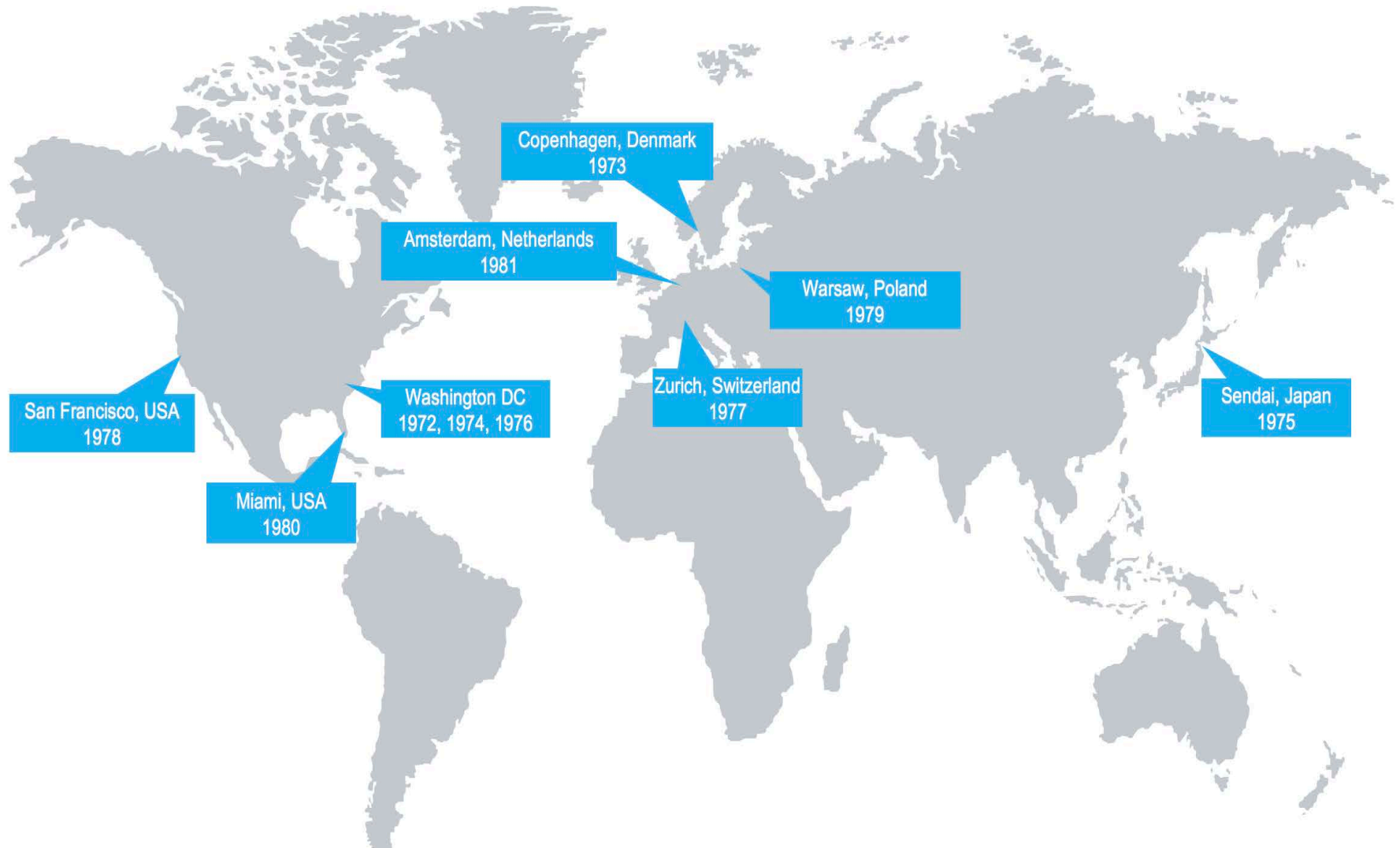




# **The INTER-NOISE Series 1972-2021**

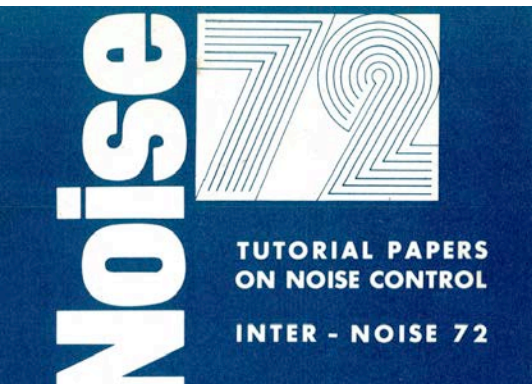
# 1<sup>st</sup> Decade of INTER-NOISE Congresses (1972-1981)

**Congress Presidents:** M.J. Crocker (1972), F. Ingerslev (1973), J.C. Johnson (1974), T. Nimura (1975), P.K. Baade (1976), E.H. Rothaus (1977), W.W. Lang (1978), S. Czarnecki (1979), G.C. Maling (1980), V.M.A Peutz (1981)

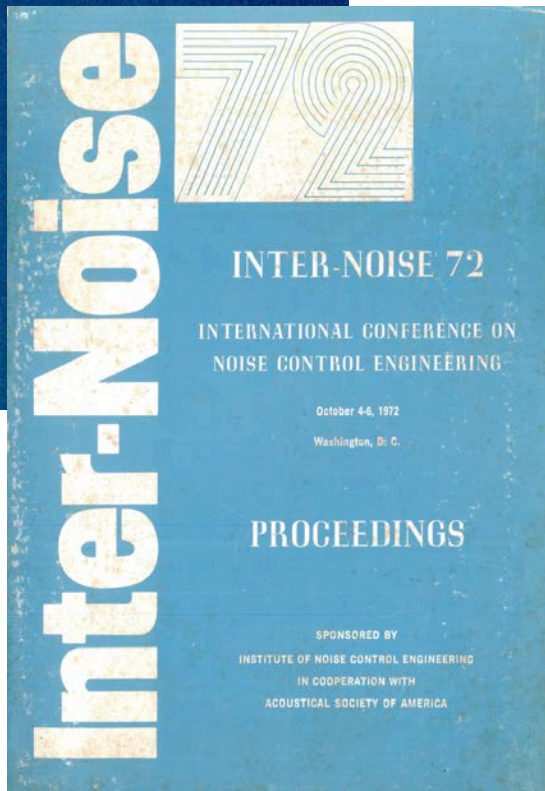




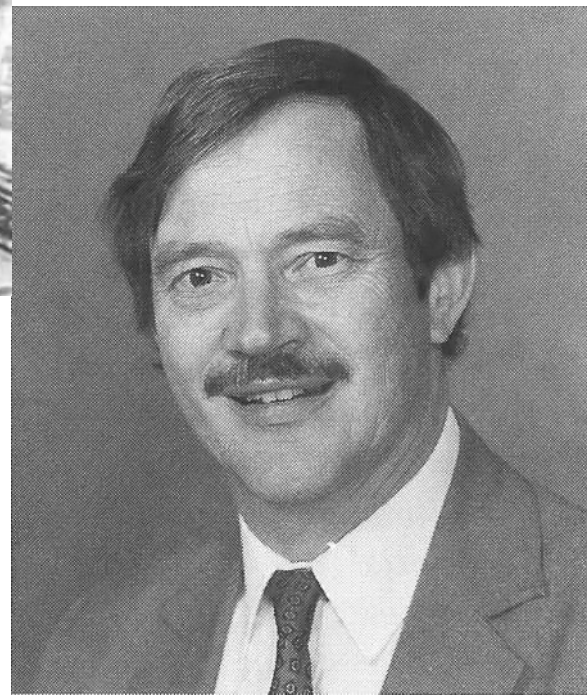
# INTER-NOISE 72, Washington, DC, USA



Leo L. Beranek,  
General Chair



Malcom J. Crocker,  
Technical Chair



# INTER-NOISE 72, Washington, USA



**William Magruder  
(The White House)**

**Announced that  
President Nixon would  
sign a noise bill when  
passed by the  
Congress.**

**The Noise Control Act  
of 1972 became law  
about three weeks  
later.**

# INTER-NOISE 72, Washington, USA





# INTER-NOISE 72, Washington, USA





# INTER-NOISE 72, Washington, USA



# INTER-NOISE 73, Copenhagen, Denmark

## F. Ingerslev, Congress President

Remembrance of Fritz Ingerslev,  
by Per Brüel 1994

" Fritz Ingerslev was a great initiator, who not only could inspire his coworkers and the students at the Danish Technical University, but also knew how to struggle politically for his profession. The Danish electroacoustic industry, research, and education have much to thank him for. Those who continue development of the acoustic field today are deeply indebted to Professor Ingerslev."

<https://www.nae.edu/File.aspx?id=188390>





# **INTER-NOISE 74, Washington, USA**

## **J.C. Johnson, Congress President**



**Left:**

**John Johnson**

**Center:**

**Senator John  
Tunney**

**Right: Vince  
Salmon**

仙台

**INTER-NOISE 75**

SENDAI, JAPAN



**inter-noise75**

**INTER-NOISE 75**  
**Sendai, Japan**  
**T. Nimura**  
**Congress President**





# INTER-NOISE 75, Sendai, Japan

## INTER-NOISE 75 is an Outstanding Conference

Over 600 engineers from Japan and other countries attended INTER-NOISE 75, the 1975 International Conference on Noise Control Engineering which was held in Sendai, Japan on 22-24 August. All of the papers presented at the meeting were in English, and simultaneous translation into Japanese was arranged for all of the technical sessions. Not only was a 741-page book of Proceedings published in English, but also a summary of each paper was printed in Japanese. The overall organization of the meeting under the direction of Professor Tadamoto Nimura of Tohoku University was excellent. In addition to the fine technical program arranged by Professor Ken'iti Kido, also of Tohoku University, a large exhibition of noise measuring equipment and noise control materials was held. Delegates attended a reception hosted by the Mayor of Sendai, Takeshi Shimano, and were privileged to hear a description of Japanese environmental problems by the Secretary of the Environmental Agency, Tatsuo Ozawa.



# INTER-NOISE 75, Sendai, Japan





# INTER-NOISE 76, Washington, DC, USA

## P.K. Baade, Congress President

### More Than 600 Attend INTER-NOISE 76

More than 600 Engineers and other individuals concerned with noise control attended INTER-NOISE 76, the 1976 International Conference on Noise Control Engineering. The conference was held on 5-7 April in conjunction with the 91st meeting of the Acoustical Society of America which was held in Washington on 5-9 April 1976.

The opening Plenary session of INTER-NOISE 76 was chaired by INCE Charter President Leo L. Beranek. After a welcoming address by INTER-NOISE 76 General Chairman Peter K. Baade, Fritz Ingerslev, President of the International Institute of Noise Control Engineering gave the opening address (*reprinted beginning on page 64 of this issue of NOISE/NEWS – Ed.*). The keynote address for INTER-NOISE 76 was presented by the Honorable Russell E. Train, Administrator, of the U.S. Environmental Protection Agency. Mr. Train emphasized the problem of aircraft noise and identified several groups that must all cooperate in order to achieve a solution to this problem.

# INTER-NOISE 76, Washington, DC, USA



**EPA Administrator  
Russell Train gave the  
Keynote speech**

# **INTER-NOISE 77, Zürich, Switzerland**

## **E. Rothauser, Congress President**



# INTER-NOISE 78, San Francisco, USA

## W.W. Lang, Congress President

### More than 800 Attend INTER-NOISE 78

The sun bathed the city of San Francisco in golden sunshine on Monday, May 8 for the opening of INTER-NOISE 78, the Seventh International Conference on Noise Control Engineering held at the Jack Tar Hotel. The weather cooperated throughout the three-day Conference so that visitors to San Francisco saw the city at its best. The final tally of attendees, as reported by San Francisco Convention Bureau personnel who assisted with the registration, was 807 including students, accompanying persons and individuals who assisted with the exhibits. Delegations from twenty countries participated at the meeting.

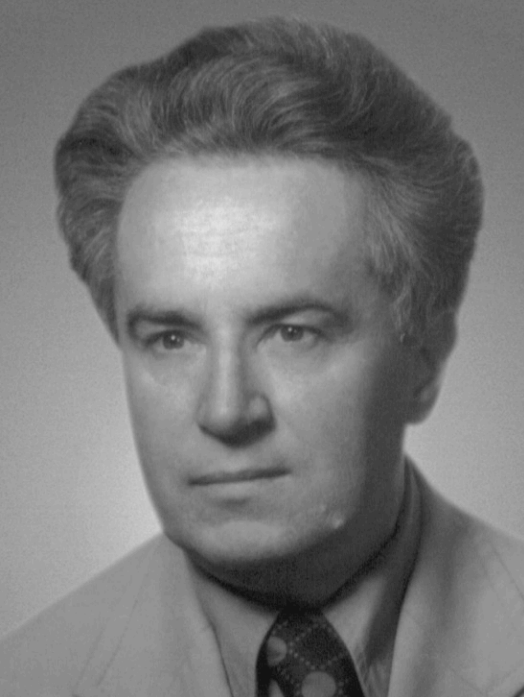
On Monday morning, William W. Lang, INTER-NOISE 78 General Chairman, called the opening Plenary Session to order in the jam-packed International Room of the Jack Tar Hotel. From the opening moment until the closing of INTER-NOISE 78 on Wednesday afternoon, May 10, all discussions and papers were focused on the theme of the conference: *"Designing for Noise Control."*





# INTER-NOISE 78, San Francisco, USA





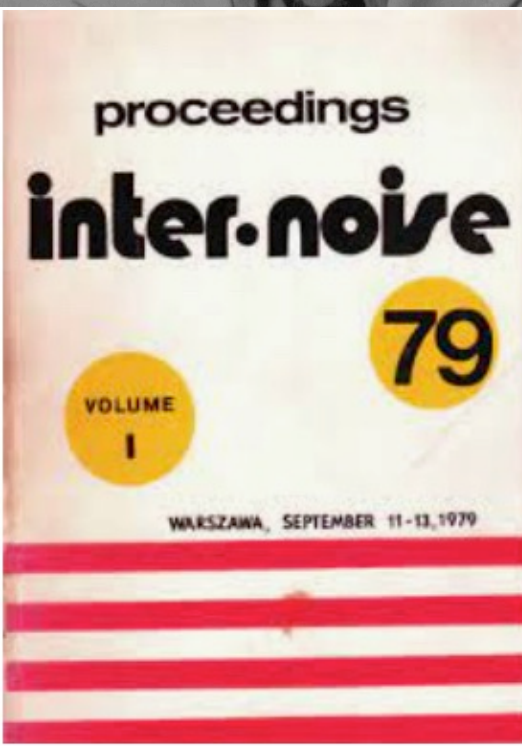
# INTER-NOISE 79, Warsaw, Poland

## S. Czarnecki, Congress President

### INTER-NOISE Meets in Warsaw

Precisely on schedule at 9:15 on Tuesday morning, 1979 September 11, Professor Stefan Czarnecki called INTER-NOISE 79 to order. More than 500 delegates from 40 countries attended the opening session in the imposing Palace of Culture and Science, located in the center of Warsaw, Poland.

Sponsored by the International Institute of Noise Control Engineering, the organizations primarily responsible for INTER-NOISE 79 were the Institute of Fundamental Technological Research of the Polish Academy of Sciences and the Institute of Mechanics and Vibroacoustics of the Academy of Mining and Metallurgy which are headed, respectively, by Prof. Czarnecki and by Prof. Zbigniew Engel. Professors Czarnecki and Engel served as General Chairman and Technical Chairman, respectively, of INTER-NOISE 79; Michal Vogt was General Secretary and Mieczyslaw Czechowicz was Conference Secretary. These individuals headed a highly-efficient team that put together an outstanding program for INTER-NOISE 79. This was the 8th International Conference on Noise Control Engineering and the first to be held in Eastern Europe.





# **INTER-NOISE 80, Miami, USA**

## **G.C. Maling, Jr., Congress President**



**Left to right: Malcolm Crocker, Leo Beranek, George Maling, and Bill Lang**

# **INTER-NOISE 80, Miami, USA**

## **Past and present INTER-NOISE Presidents**



**Left to right: G. C. Maling, Jr., T. Nimura, F. Ingerslev,  
J.C. Johnson, W.W. Lang, M.J. Crocker,  
E. Rathé representing E. Rothauser, S. Czarnecki, P. Baade**

# INTER-NOISE 80, Miami, USA



**Inter-Continental Hotel, Miami**



# INTER-NOISE 81, Amsterdam, The Netherlands

## V.M.A. Peutz, Congress President

### Call for papers—INTERNOISE 81—Amsterdam

The International Conference on Noise Control Engineering, sponsored by the Netherland Acoustical Society, the Belgian Acoustical Society, and INCE, will be held 6–8 October 1981 in Amsterdam. The theme of the conference is "Practice of Noise Control Engineering" and submissions in the form of contributed and poster papers are invited on the following topics: Reduction of plant and machinery noise; building and appliances noise control; air, rail, and ship traffic noise; design, planning, measurement, and analysis; legislation and standards. Inquiries should be directed to INTER-NOISE 81, P. O. Box 85542, 2508 CE The Hague, The Netherlands.

Call for Papers appearing in Journal of the  
Acoustical Society of America 69, pp. 1525 (1981)



## 2<sup>nd</sup> Decade of INTER-NOISE Congresses (1982-1991)

**Congress Presidents:** J.G. Seebold (1982), E.J. Richards (1983), W.W. Lang (1984), E. Zwicker (1985), R.H. Lyon (1986), D.Y. Maa (1987), J. Mattei (1988), G.C. Maling (1989), T. Kihlman (1990), A. Lawrence (1991)



**INTER-NOISE 82, San Francisco, USA**  
**J.G. Seebold, Congress President**



## **INTER-NOISE 82, San Francisco, USA**

# **More than 500 Attend INTER-NOISE 82 in San Francisco**

The warm, spring weather was perfect. For the second time, the first being four years ago in 1978, INTER-NOISE opened in San Francisco to a large, appreciative audience. Precisely at 9.30 hours on Monday, May 17, James G. Seebold, General Chairman of INTER-NOISE 82, opened the meeting with an address in which he challenged noise control engineers to produce noise control solutions which are cost-effective and which produce major noise reductions. He introduced Fritz H.B. Ingerslev, President of the *International Institute of Noise Control Engineering (I/INCE)* which is the sponsoring organization of the INTER-NOISE series of conferences.



# INTER-NOISE 83, Edinburgh, UK

## E.J. Richards, Congress President



**Left to right: E.J. Richards, Goeff Leventhall, and George Maling**



# INTER-NOISE 83, Edinburgh, UK





# INTER-NOISE 84, Honolulu, USA

## W.W. Lang, Congress President

### More than 500 Attend INTER-NOISE 84

Shortly after Thanksgiving Day, a severe tropical storm swept out of the Pacific Ocean to batter the Hawaiian Islands. Torrential rains relieved a long period of drought, and most activities were forced indoors. The storm passed, and Monday, December 03, dawned clear and beautiful. The good weather held during INTER-NOISE 84 with only an occasional shower.

The Pacific Ballroom of the Hotel Ilikai at the Yacht Harbor end of Waikiki Beach was the venue for INTER-NOISE 84. The Opening Plenary Session was preceded by a number of Hawaiian songs. William W. Lang, INTER-NOISE 84 Chairman, opened the session and made brief comments on the future of noise control in the U.S.A. He emphasized the appropriateness of the theme of INTER-NOISE 84: "International Cooperation for Noise Control." Brief presentations were made by James G. Seebold, President of INCE/USA, which has primary responsibility for the organization of the conference. Toshio Sone, Co-Chairman of INTER-NOISE 84 and head of the Japanese delegation greeted the participants. Masaru Koyasu, President of INCE/Japan, then greeted the delegates on behalf of the institution which was co-hosting the conference.

Membership, described the award which is given aperiodically to honor an outstanding educator who has contributed significantly to the training of future noise control engineers. The first INCE/USA Education Award was then presented to Professor Robert F. Lambert, University of Minnesota, Minneapolis, Minnesota.

The award ceremony was followed by the first distinguished lecture of INTER-NOISE 84. Professor Juichi Igarashi of the Kobayasi Institute of Physical Research, Tokyo, gave an excellent review of "Japanese Experience in Transportation Noise Control." Professor Igarashi's paper is the lead article in the INTER-NOISE 84 Proceedings volumes which were edited by George C. Maling, Jr.

The plenary session was concluded with a coffee hour for all participants to mark the opening of the INTER-NOISE 84 Exhibition. The exhibition area was located in the center of the Pacific Ballroom. As the attendee stepped into the ballroom through the lobby entrance, the exhibition was on all sides. The six meeting rooms which were used for the plenary, technical and poster sessions surrounded the exhibit. The technical program was arranged so that the session breaks were staggered, allowing ample opportunity for the participants to visit the exhibition booths, or to stroll in

# INTER-NOISE 84, Honolulu, USA



**Ilikai  
Hotel**



# INTER-NOISE 85, Munich, Germany

## E. Zwicker, Congress President



# INTER-NOISE 85, Munich, Germany





# INTER-NOISE 85, Munich, Germany





# INTER-NOISE 85, Munich, Germany



# **INTER-NOISE 86, Cambridge, USA**

## **R.H. Lyon, Congress President**

# **525 Delegates Attend INTER-NOISE 86**

Promptly at 08.30 on July 21, Richard H. Lyon, General Chairman of INTER-NOISE 86, moved to the podium of MIT's Kresge Auditorium to welcome 525 Delegates to the three-day INTER-NOISE 86 conference. INTER-NOISE 86, the 1986 International Conference on Noise Control Engineering was under way with Delegates from 36 countries in the audience. INTER-NOISE 86 was the fifteenth in a series of international conferences on noise control engineering and was held on the campus of the Massachusetts Institute of Technology on 1986 July 21-23.



# INTER-NOISE 86, Cambridge, USA



**MIT**

# **INTER-NOISE 87, Beijing, China**

## **D.Y. Maa, Congress President**



# **INTER-NOISE 87, Beijing, China**

## **Chen Tong, Co-Chair**





# INTER-NOISE 87, Beijing, China

## Beijing is Host to INTER-NOISE 87

INTER-NOISE 87 started with a bang... a violent thunderstorm on the Great Wall of China. On Monday, September 14, many of the overseas visitors to China were enjoying the view from atop the Great Wall, some thirty miles outside the capital city of Beijing, when a thunderstorm struck. The view of the Great Wall with dark thunderclouds, lightning flashes and thunderclaps provided a dramatic opening for INTER-NOISE 87 which was held in Beijing during the period September 15-17.

The venue for INTER-NOISE 87 was the Kunlun Hotel which is located on the bank of the river Liangma He close to the center of China's capital city. Completed late in 1986, the Kunlun Hotel is the newest luxury hotel in Beijing. Its facilities and comforts were greatly appreciated by the overseas delegates. The hotel provided all necessary support for a large international meeting under one roof. It was an exciting moment for the delegates from 27 countries outside China to arrive at the Kunlun whose front portico displayed an enormous banner: "INTER-NOISE 87 — Beijing, China."

Promptly at 9:00 a.m. on September 15, Professor Maa Dah-You, General Chairman, called the opening plenary session to order. He mentioned that INTER-NOISE 87 was sponsored by the International Institute of Noise Control Engineering (I-INCE), and organized by the Acoustical Society of China and the Institute of Acoustics of Academia Sinica (the Chinese Academy of Sciences) in cooperation with the China International Conference Center for Science and Technology and the China Association for Science and Technology. Professor Maa stated that following the opening session, 417 papers were scheduled to be presented orally in 72 sessions, with eight sessions running in parallel. In addition, three poster sessions were scheduled.

# **INTER-NOISE 88, Avignon, France**

## **J. Mattei, Congress President**



# INTER-NOISE 88, Avignon, France





# INTER-NOISE 88, Avignon, France



# INTER-NOISE 88, Avignon, France



# **INTER-NOISE 89, Newport Beach, USA**

## **G.C. Maling, Jr., Congress President**





# INTER-NOISE 89, Newport Beach, USA



# **INTER-NOISE 90, Gothenburg, Sweden**

## **T. Kihlman, Congress President**



# INTER-NOISE 90, Gothenburg, Sweden

## Opening Ceremony





# **INTER-NOISE 91, Sydney, Australia**

## **A. Lawrence, Congress President**

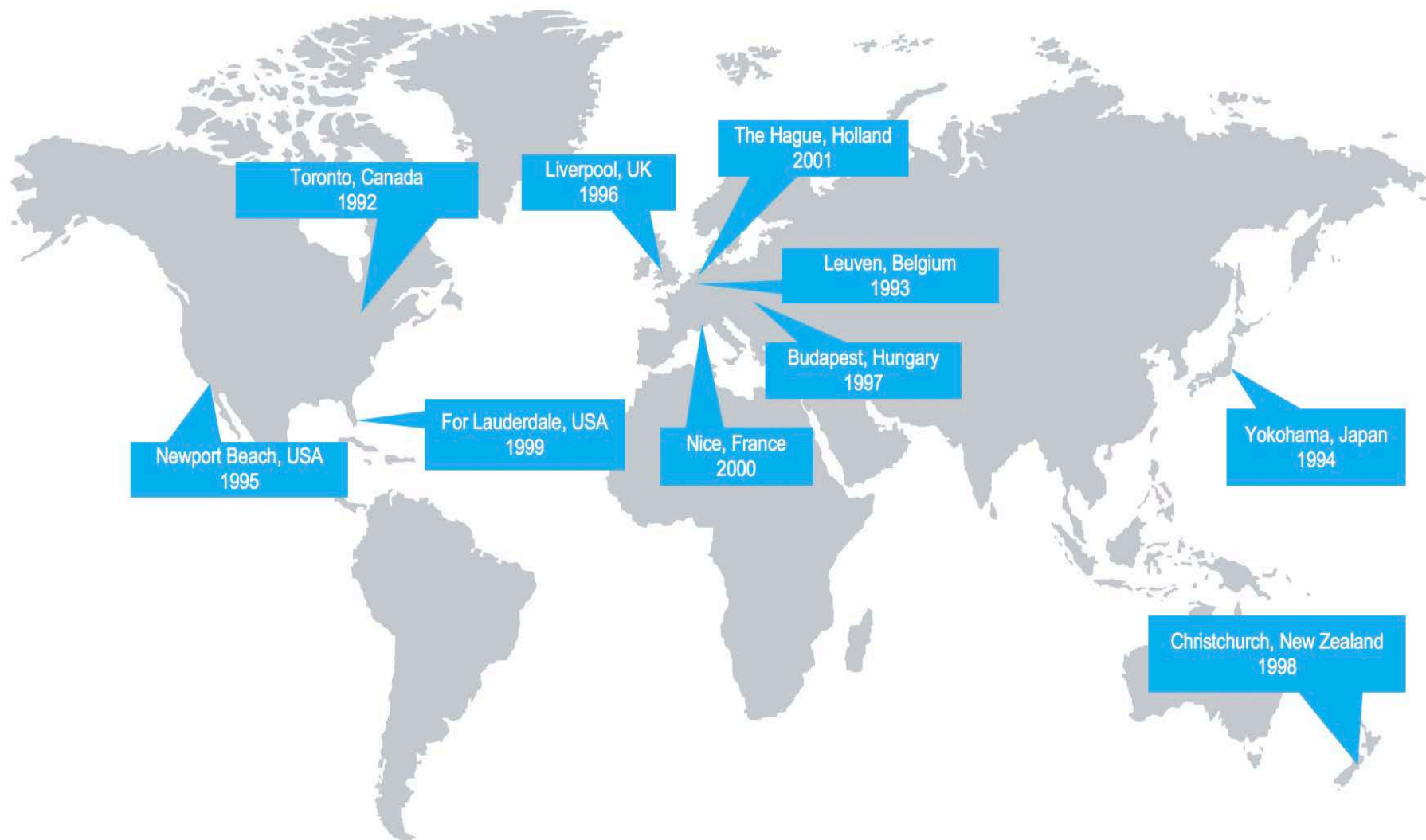


# INTER-NOISE 91, Sydney, Australia



## 3<sup>rd</sup> Decade of INTER-NOISE Congresses (1992-2001)

**Congress Presidents:** T.F.W Embleton (1992), A. Cops (1993), M. Koyasu (1994), A.H. Marsh (1995), B. Berry (1996), A. Illenyi (1997), H. Marshall (1998), J. Cuschieri & D. Yeager (1999), M. Vallet (2000), T.T. Wolde (2001)





# **INTER-NOISE 92, Toronto, Canada**

## **T.F.W. Embleton, Congress President**



# INTER-NOISE 92, Toronto, Canada

## Plenary/Keynote Speakers:

Ken Eldred

Airport noise: Solving a world class problem

Jean Turret

Quieter products: New tools to help manufacturers

Anita Lawrence

The building envelope as shield against external Noise



## Congress Location: Inn on the Park

*The iconic Inn on the Park in North Toronto, designed by Peter Dickinson, opened in 1963, demolished in 2005.*

*City of Toronto Archives, Fonda 2, Series 607, File 164.*

*<http://spacing.ca/toronto/2016/08/23/life-death-peter-dickinson-inn-park/>*

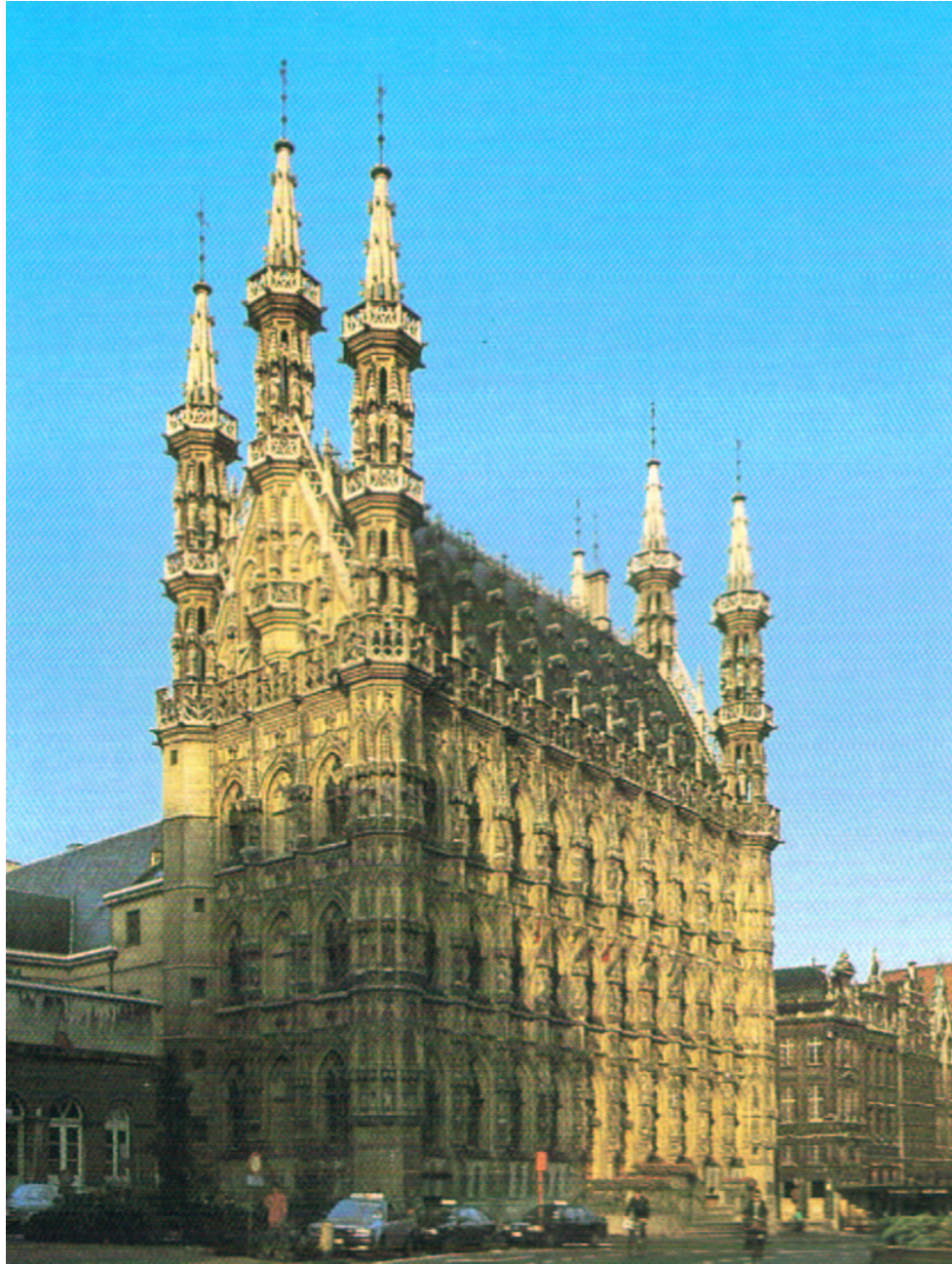
# INTER-NOISE 93, Leuven, Belgium

## A.Cops, Congress President





# INTER-NOISE 93, Leuven, Belgium





# INTER-NOISE 93, Leuven, Belgium



# INTER-NOISE 94, Yokohama, Japan

## M. Koyasu, Congress President



*Professor Toshio Sone, General Chairman of INTER-NOISE 94 greets delegates as the Chairman of the opening Plenary session.*

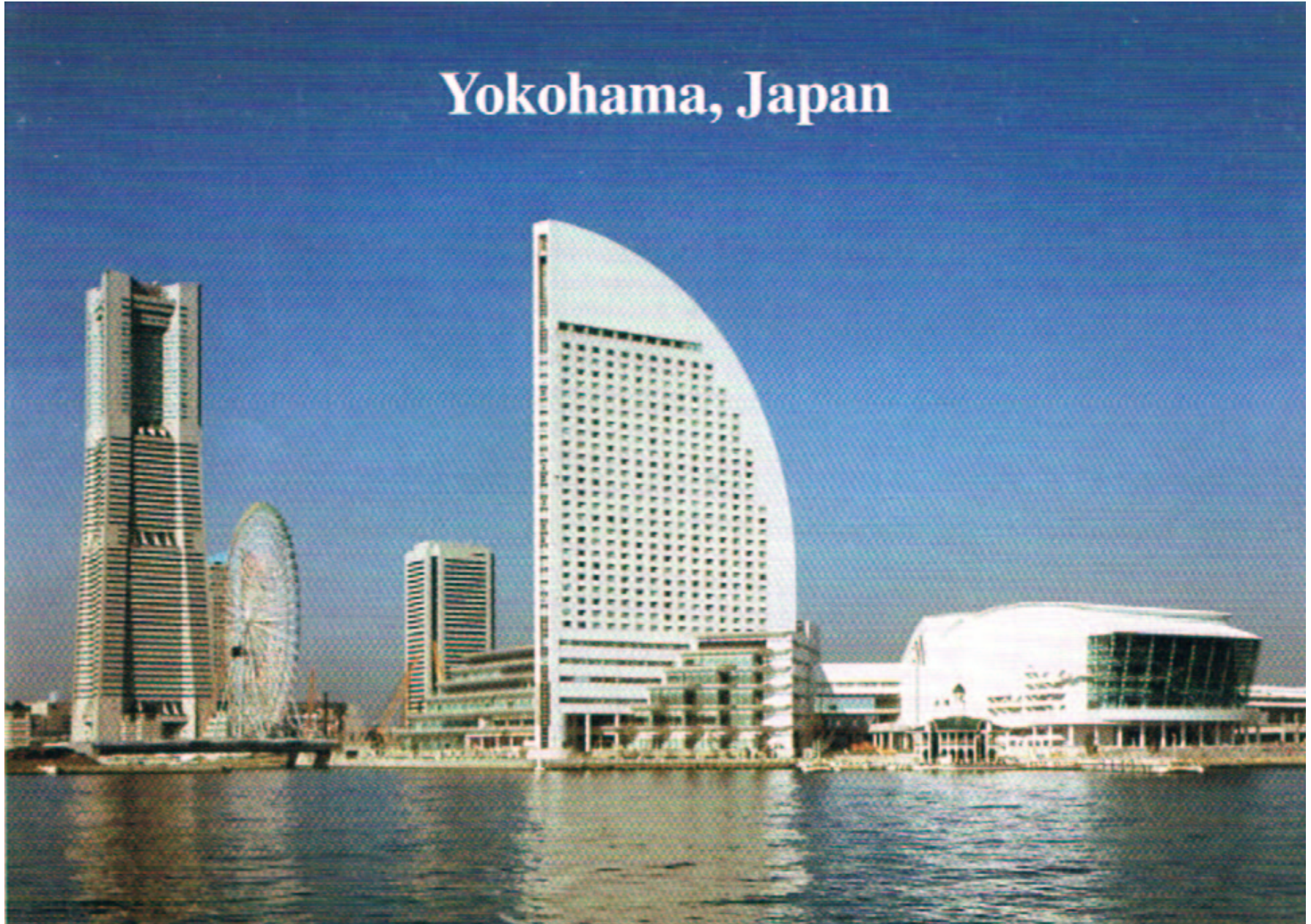


*Dr. Masaru Koyasu, President of the Congress welcomes delegates to INTER-NOISE 94.*



# INTER-NOISE 94, Yokohama, Japan

Yokohama, Japan



# INTER-NOISE 95, Newport Beach, USA

## A.H. Marsh, Congress President





# INTER-NOISE 95, Newport Beach, California, USA

## Plenaries/Keynotes:

Masaru Koyasu

Applications of noise control  
engineering in Japan

Jiri Tichy

Applications of active control of  
sound and vibration

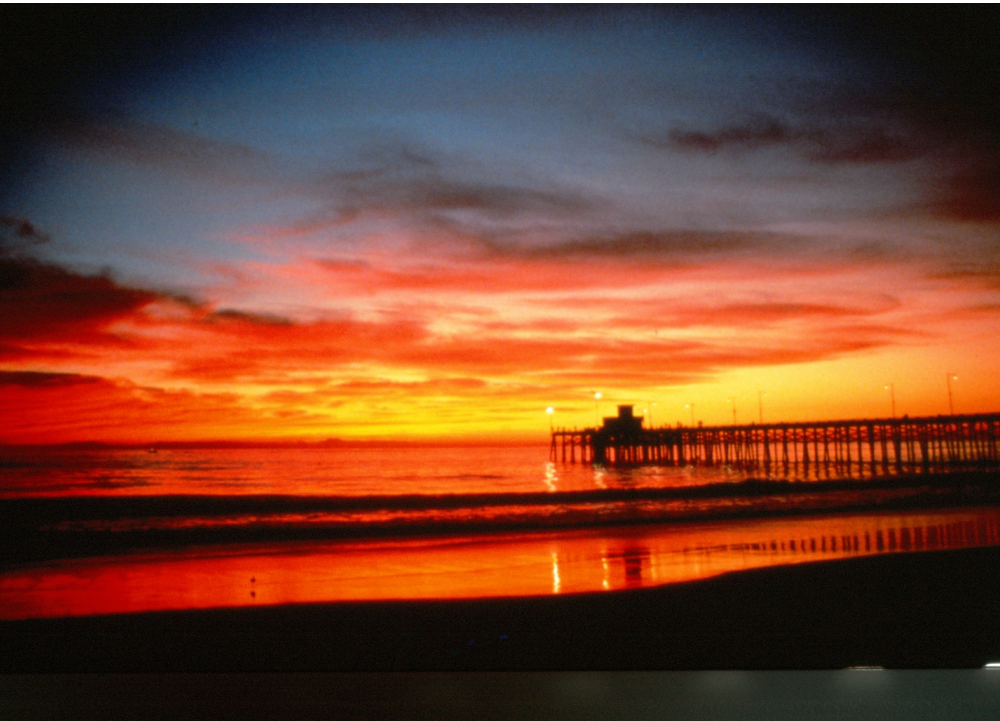
Robert D. Bruce

Progress in controlling noise in  
the workplace





# INTER-NOISE 95, Newport Beach, California, USA



## A collage of various photographs of Liverpool, including the waterfront, city buildings, and the Beatles. The central text reads "inter.noise 96 25th Anniversary Congress Liverpool 30 July - 2 August 1996". At the bottom, there is a red arched logo with "LIVERPOOL" and a photo of the Beatles, with the text "Birthplace of the Beatles" below it.



# **INTER-NOISE 96, Liverpool, UK**

## **B.Berry, Congress President**



**Left:  
Bernard Berry**

**Right: Nicole Porter,  
Technical Program  
Manager**



# INTER-NOISE 96, Liverpool, UK

## Adelphi Hotel, Congress Venue



# **INTER-NOISE 97, Budapest, Hungary**

## **A. Illényi, Congress President**





# INTER-NOISE 97, Budapest, Hungary



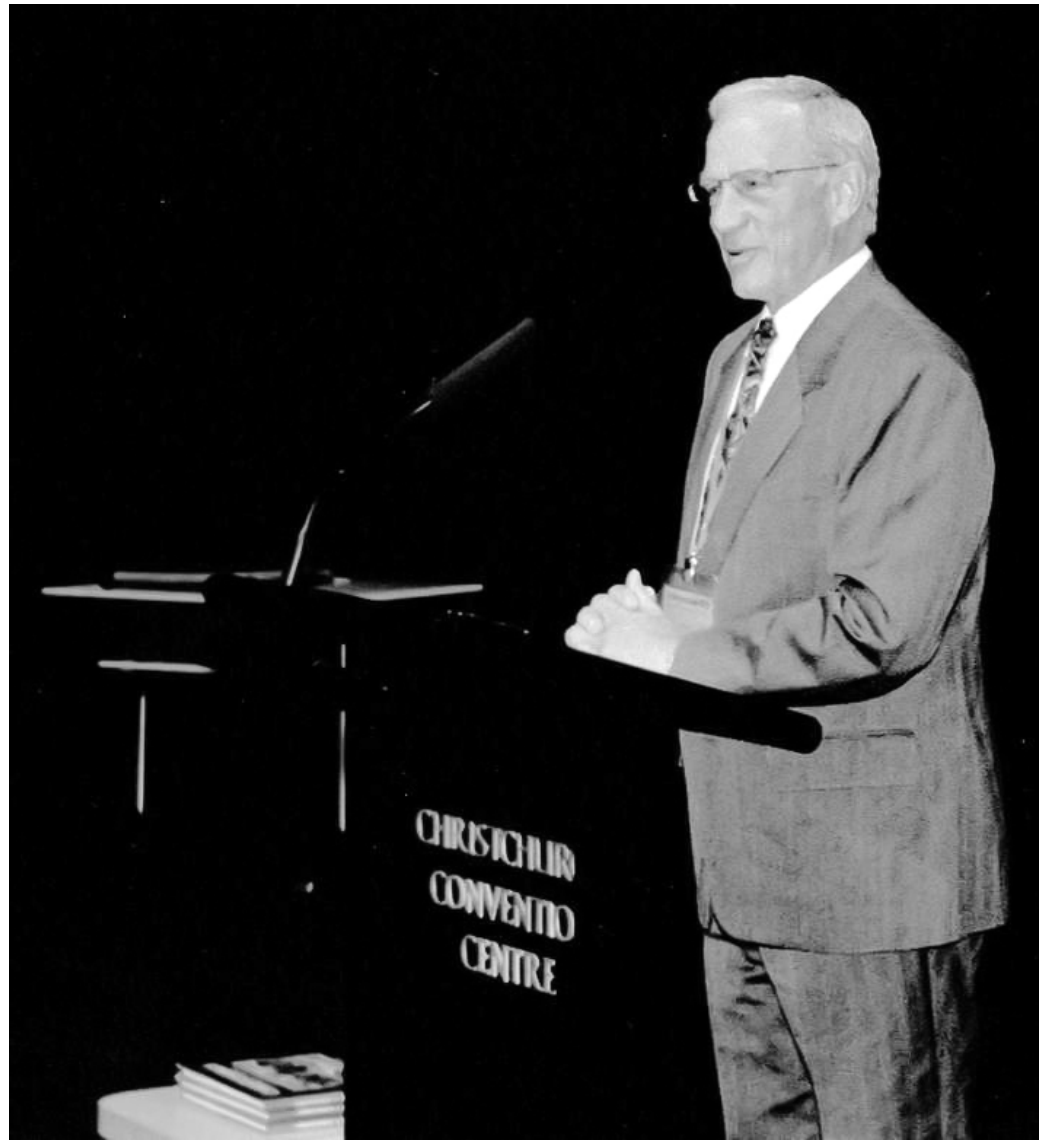


# INTER-NOISE 97, Budapest, Hungary



# **INTER-NOISE 98, Christchurch, New Zealand**

## **H. Marshall, Congress President**



# INTER-NOISE 98, Christchurch, New Zealand Congress Opening





# **INTER-NOISE 98, Christchurch, New Zealand**

## **The Plainsmen – On Top of the World**



# **INTER-NOISE 99, Fort Lauderdale, Florida, USA**

## **J Cuschieri and D. Yeager, Co-Presidents**



**Left:**  
**J. Cuschieri**

**Right:**  
**D. Yeager**

# INTER-NOISE 99, Fort Lauderdale, Florida, USA



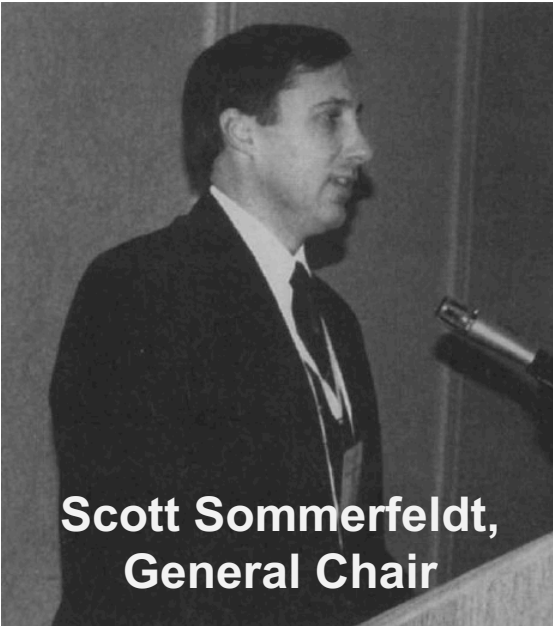
**New Orleans Jazz Band  
at Opening Ceremony**



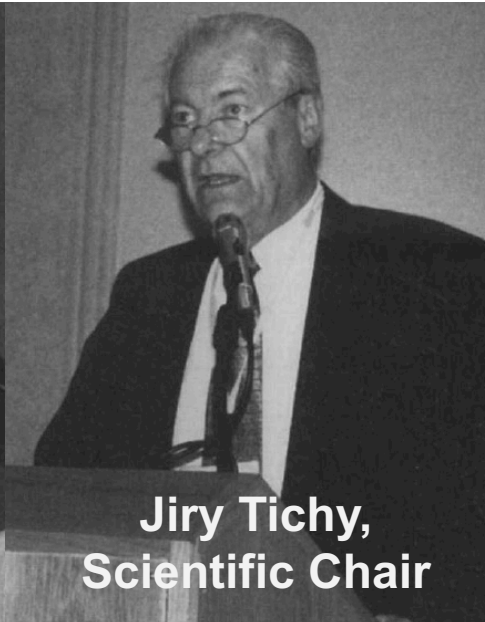
**Ben Sharp  
giving the  
Tuesday  
Plenary  
Lecture:  
A perspective  
on noise  
control  
technology and  
its future  
implementation**



# **ACTIVE 99 in conjunction with INTER-NOISE 99, Fort Lauderdale, Florida, USA**



**Scott Sommerfeldt,  
General Chair**

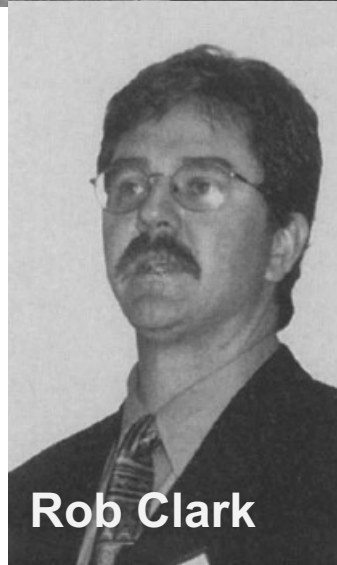


**Jirý Tichý,  
Scientific Chair**

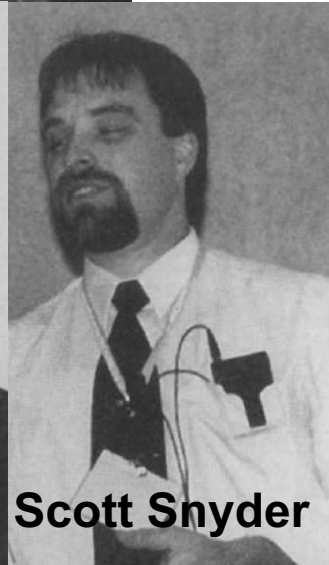


**Keynote:  
Steve Elliott**

## **ACTIVE 99 Plenary Speakers**



**Rob Clark**



**Scott Snyder**



**Alain Berry**



**Bruce Walker**

# INTER-NOISE 2000, Nice, France

## M.Vallet, Congress President



**Left:**  
**T. Kihlman**

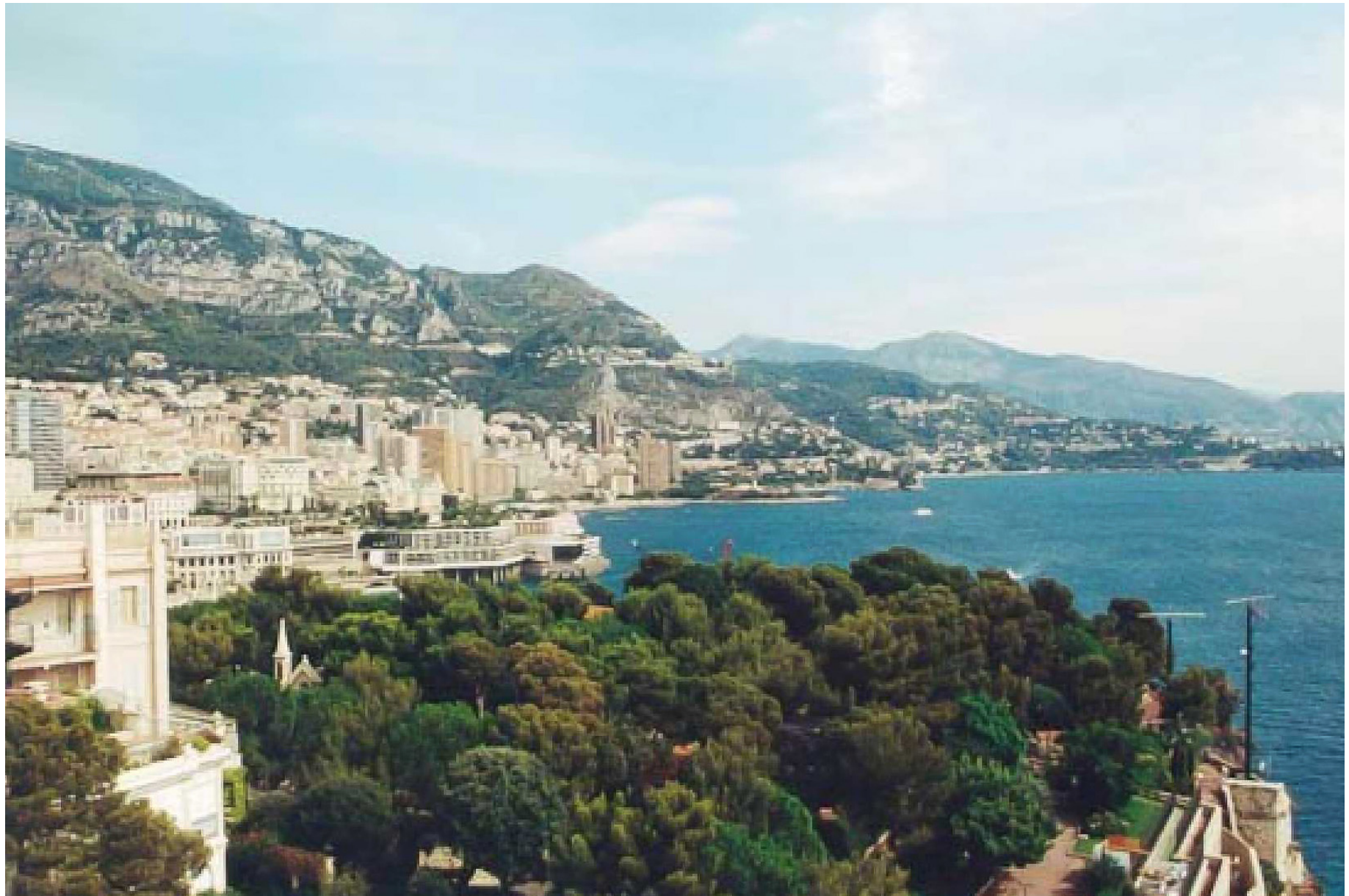
**Right:**  
**M. Vallet**

## INTER-NOISE 2000, Nice, France





# INTER-NOISE 2000, Nice, France



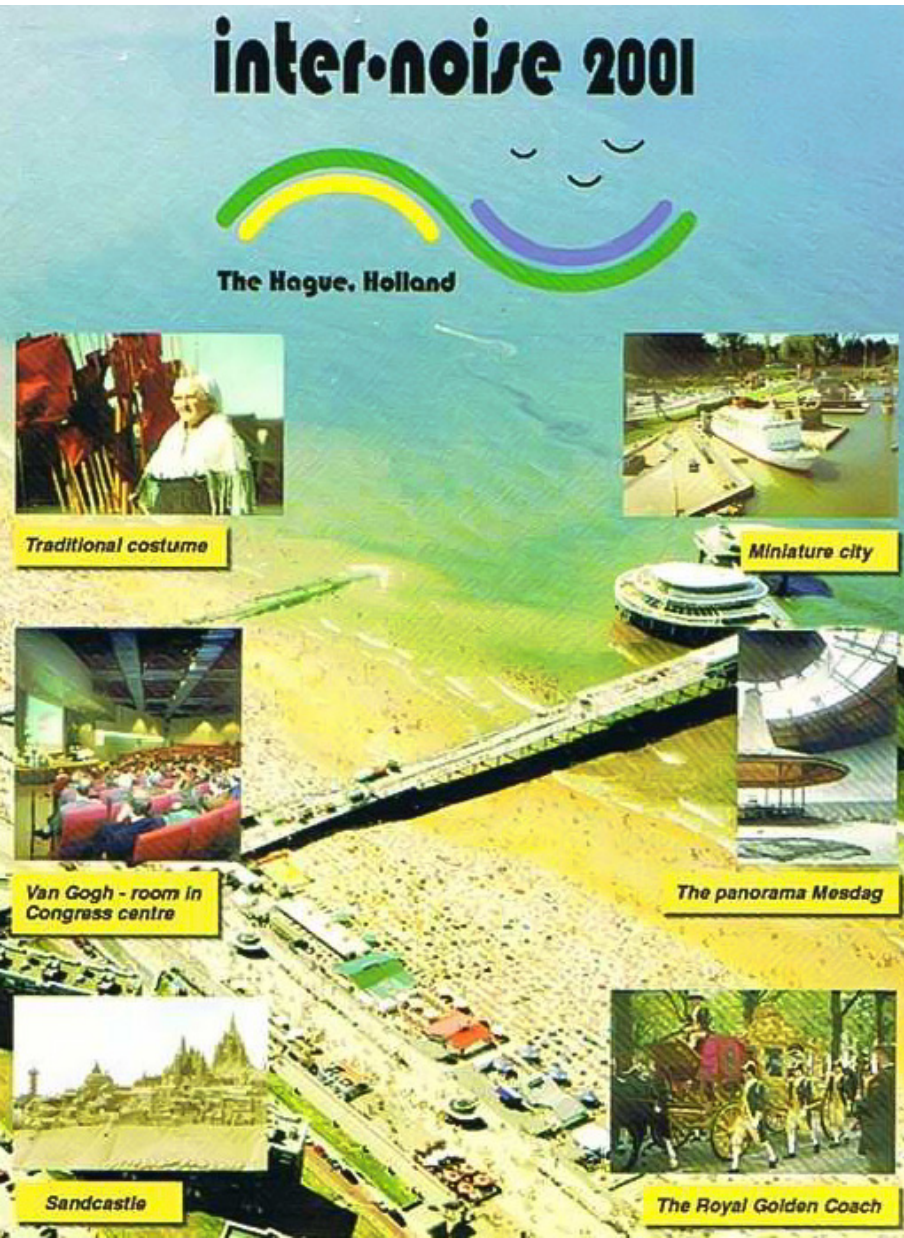
# INTER-NOISE 2001, The Hague, The Netherlands

## T. Ten Wolde, Congress President





# INTER-NOISE 2001, The Hague, The Netherlands



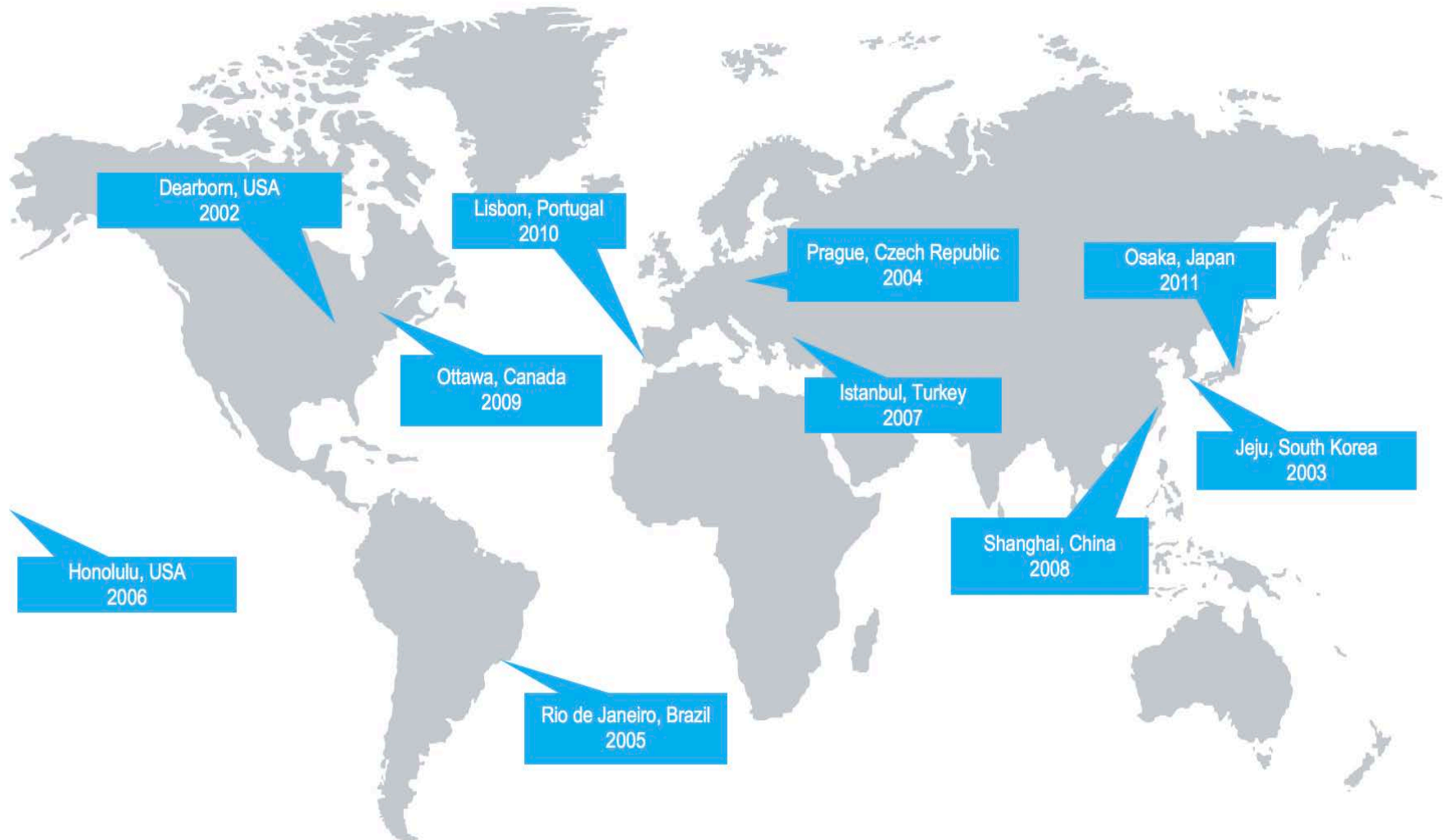


# INTER-NOISE 2001, The Hague, The Netherlands



## 4<sup>th</sup> Decade of INTER-NOISE Congresses (2002-2011)

**Congress Presidents:** R. Singh (2002), H.J. Eun (2003), J. Novak (2004), S.N.Y. Gerges (2005), D. Holger & S. Kuwano (2006), T. Belek (2007), Jing Tian (2008), T. Nightingale & J. Cuschieri (2009), A. Pérez López (2010), I. Yamada (2011)





# INTER-NOISE 2002, Dearborn, USA

## Rajendra Singh, Congress President

THE 2002  
INTERNATIONAL  
CONGRESS AND  
EXPOSITION ON  
NOISE CONTROL  
ENGINEERING

2002 AUGUST 19 - 21

**Transportation Noise**

INTER-NOISE 2002 Secretariat:  
The Ohio State University

TECHNICAL PROGRAM

**inter-noise 2002**



BOOK OF ABSTRACTS

**inter-noise 2002**



# INTER-NOISE 2002, Dearborn, USA



**Hyatt Regency Dearborn**

# **INTER-NOISE 2003, Jeju Island, Korea**

## **Hee Joon Eun, Congress President**





# INTER-NOISE 2003, Jeju Island, Korea



# INTER-NOISE 2003, Jeju Island, Korea





# **INTER-NOISE 2004, Prague, Czech Republic**

## **Josef Novák, Congress President**





# INTER-NOISE 2004, Prague, Czech Republic



**Czech Technical University,  
Faculty of Electrical Engineering,  
Dejvice, Prague**



**Downtown Prague**

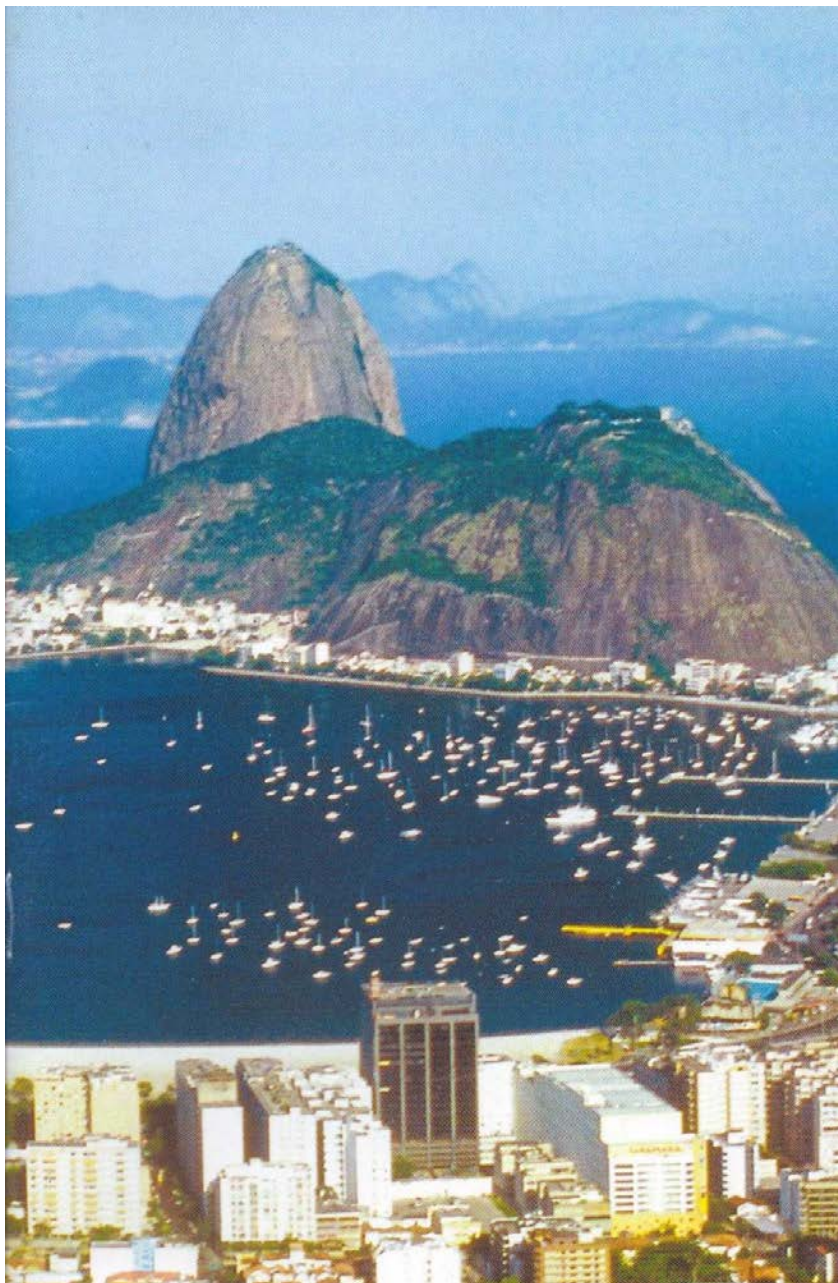


# INTER-NOISE 2005, Rio de Janeiro, Brazil

## Samir Gerges, Congress President



## **INTER-NOISE 2005, Rio de Janeiro, Brazil**



**Samba Dancing  
at the Banquet**



# INTER-NOISE 2005, Rio de Janeiro, Brazil





# INTER-NOISE 2006, Honolulu, USA

Congress Co-Presidents: David Holger and Sonoko Kuwano



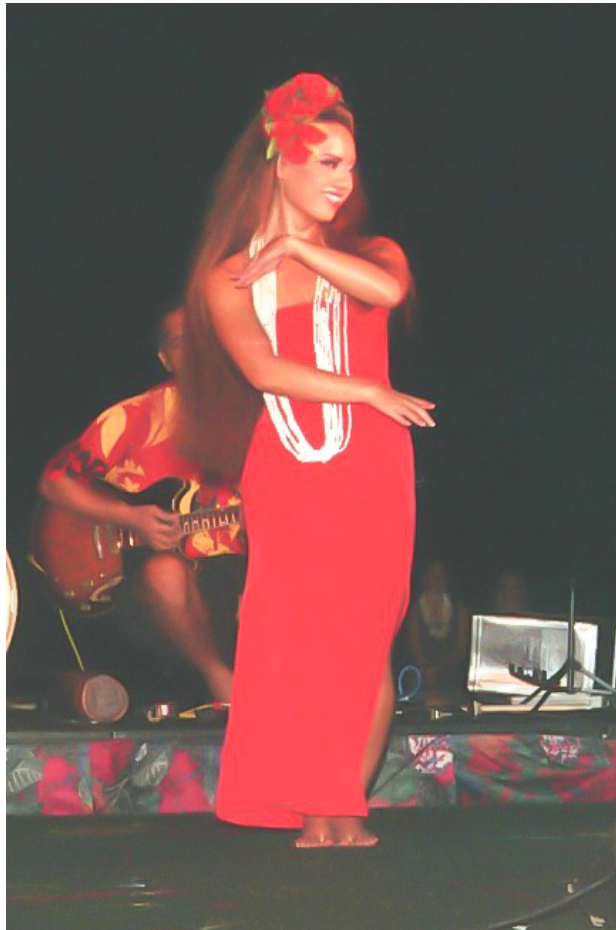


# INTER-NOISE 2006, Honolulu, USA





# INTER-NOISE 2006, Honolulu, USA





# INTER-NOISE 2006, Honolulu, USA

## Traditional Hawaiian Dancing



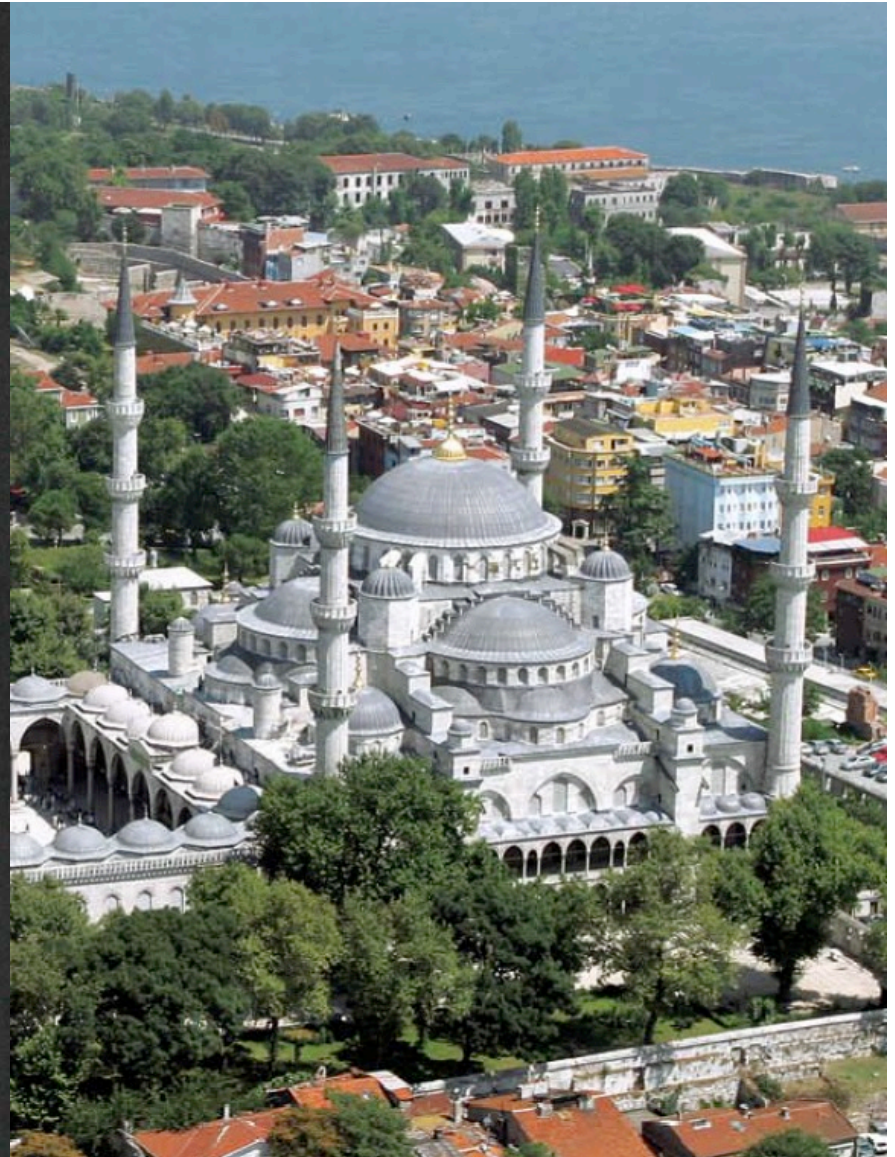
and the organizing team sporting their beautiful Hawaiian shirts





# INTER-NOISE 2007, Istanbul, Turkey

## K. Belek, Congress President





# INTER-NOISE 2007, Istanbul, Turkey





# INTER-NOISE 2007, Istanbul, Turkey

## Opening Ceremony





# INTER-NOISE 2007, Istanbul, Turkey



**Congress Banquet at the Archeological Museum**

# INTER-NOISE 2008, Shanghai, China

## Jing Tian, Congress President





# INTER-NOISE 2008, Shanghai, China



**Entertainment at the Banquet**

# INTER-NOISE 2008, Shanghai, China



Group Photograph at the Banquet

[http://english.ioa.cas.cn/ns/es/200907/t20090702\\_15896.html](http://english.ioa.cas.cn/ns/es/200907/t20090702_15896.html)



# INTER-NOISE 2008, Shanghai, China

## The Organizing Team and Volunteers



# INTER-NOISE 2009, Ottawa, Canada

## Congress Co-Presidents: Trevor Nightingale and Joseph Cuschieri





# INTER-NOISE 2009, Ottawa, Canada

## Banquet at the Canadian Museum of Civilization





# INTER-NOISE 2009, Ottawa, Canada



**Entertainment at the Banquet at the Canadian Museum of Civilization  
(Now the Museum of History)**



# INTER-NOISE 2010, Lisbon, Portugal

Jorge Patrício, Congress President





# INTER-NOISE 2010, Lisbon, Portugal





# INTER-NOISE 2010, Lisbon, Portugal





**INTER-NOISE 2011**  
**Osaka, Japan**  
**Ichiro Yamada,**  
**Congress President**





# INTER-NOISE 2011, Osaka, Japan

## Opening Ceremony



# INTER-NOISE 2011, Osaka, Japan

## Session Chairs Dinner





# INTER-NOISE 2011, Osaka, Japan Banquet





# INTER-NOISE 2011, Osaka, Japan

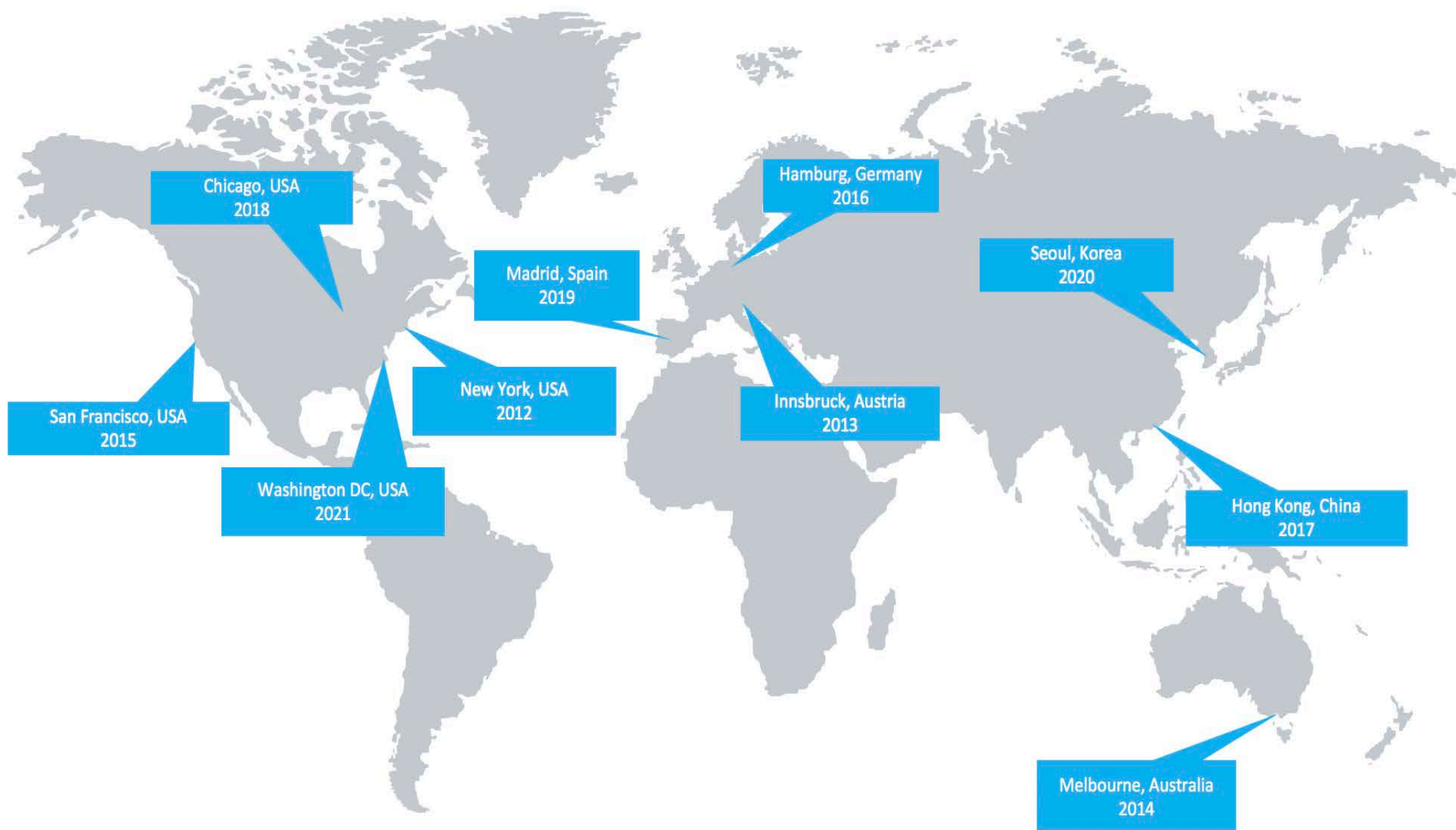
## Closing Ceremony





## 5<sup>th</sup> Decade of INTER-NOISE Congresses (2012-2021)

**Congress Presidents:** S. Hambric (2012), W. Talasch (2013), N. Broner (2014), P. Donovan & Y.-H. Kim (2015), O. von Estorff (2016), T. Ho & L. Cheng (2017), C. Moritz & J. Cuschieri (2018), A. Perez-Lopez (2019), S. Wang (2020), R. Singh & D. Akkerman (2021)



# INTER-NOISE 2012, New York, USA

Steve Hambric, Congress President





# INTER-NOISE 2012, New York, USA

## Opening Ceremony



# INTER-NOISE 12, New York, USA

Banquet – Celebrating New York's Music and Theater





# INTER-NOISE 2013, Innsbruck, Austria

## Werner Talasch, Congress President



# INTER-NOISE 2013, Innsbruck, Austria





# INTER-NOISE 2013, Innsbruck, Austria





# INTER-NOISE 2013, Innsbruck, Austria





# **INTER-NOISE 2014 Melbourne, Australia**

## **Norm Broner – Congress President**



# **INTER-NOISE 2014 Melbourne, Australia**

## **Melbourne Convention and Exhibition Center**





# INTER-NOISE 2014 Melbourne, Australia

## Congress Organizing Team



# INTER-NOISE 2014 Melbourne, Australia

## Indigenous Australian Dance Group





# INTER-NOISE 2014 Melbourne, Australia

Joachim Scheuren, I-INCE president  
40<sup>th</sup> anniversary of International INCE





A photograph of the Golden Gate Bridge in San Francisco, California. The bridge is a large suspension bridge with two prominent red towers. It spans across a body of water, with hills visible in the background. The sky is blue with some light clouds. The bridge is the central focus of the image.

**WELCOME  
TO**

**INTER-NOISE 2015**



# INTER-NOISE 2015, San Francisco, USA

## Congress Co-Presidents

### Paul Donovan, and Yang Hann Kim



# INTER-NOISE 2015

## San Francisco, USA





# **INTER-NOISE 2015, San Francisco, USA**

## **Korean Entertainment**



**Joint Meeting Organized by  
INCE-USA and the Korean Society for Noise and Vibration Engineering**

# INTER-NOISE 2015, San Francisco, USA

## Closing Ceremony



Bill Lang and George Maling



# INTER-NOISE 2016 – Hamburg, Germany

## Congress Chair – Otto von Estorff



# INTER-NOISE 2016 – Hamburg

## Session Chairs Dinner

Wolfgang Kropp,  
Technical Program Chair



Session Chairs' Dinner



Session Chairs' Dinner



I-INCE Board Dinner



# INTER-NOISE 2016 – Hamburg, Germany





# INTER-NOISE 2016 – Hamburg, Germany





# INTER-NOISE 2017 – Hong Kong

## Co-Chairs: Tom Ho and Li Cheng



# **INTER-NOISE 2017 – Hong Kong**

## **Hong Kong Convention and Exhibit Center**



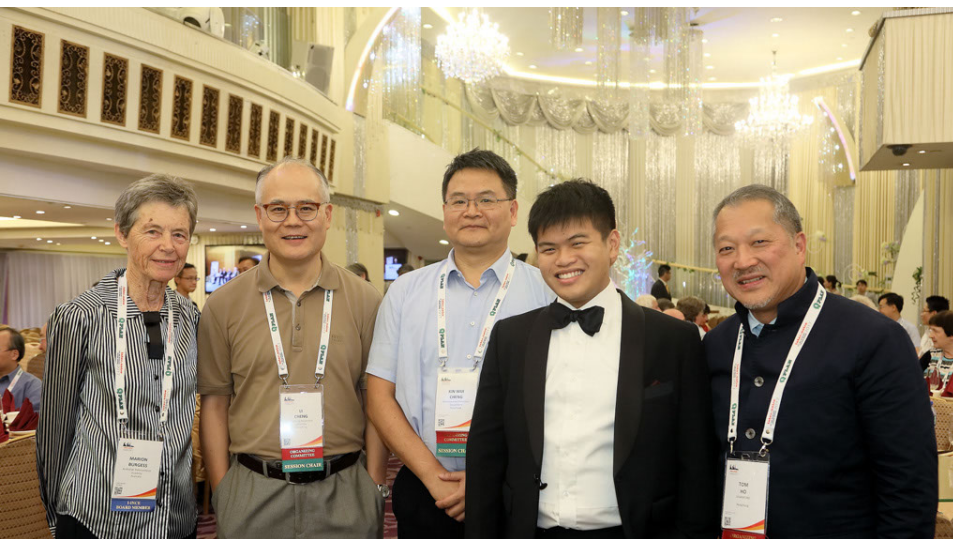


# INTER-NOISE 2017 – Hong Kong Lion Dance at Opening Ceremony





# INTER-NOISE 2017 – Hong Kong





# INTER-NOISE 2017 – Hong Kong



**Marion Burgess, I-INCE President, Thanking Volunteers and Staff**

# INTER-NOISE 2018 Chicago, USA



- Charles Moritz, President  
Joseph Cuschieri, Co-President
- David Herrin & Teik Lim,  
Technical Program Co-Chairs



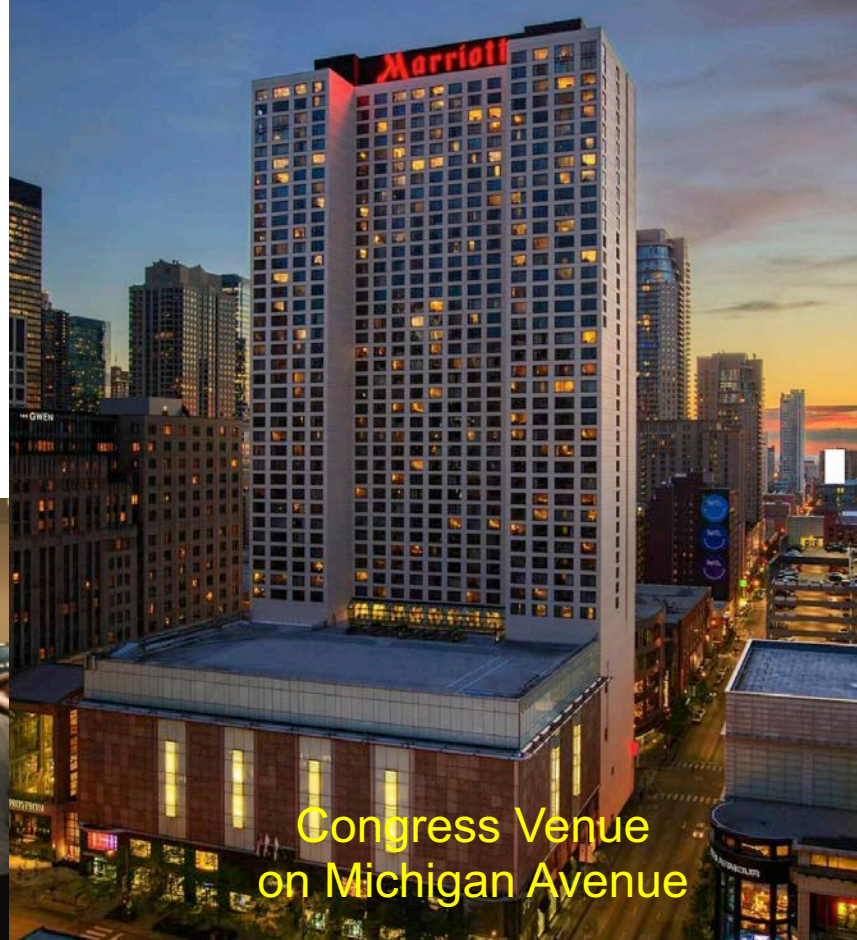
Eric Wood & Joe Cuschieri



# INTER-NOISE 2018: Chicago, USA



At the Exposition



Congress Venue  
on Michigan Avenue



2018 I-INCE Young Professionals Conference Attendance Awardees

# INTER-NOISE 2018 Chicago, USA

Reception at the Chicago  
Museum of Science and Industry





# INTER-NOISE 2018 Chicago, USA



Reception following Special Session Honoring Bill Lang,  
organized by Bob Bernard (center front). Report of Session <https://www.inceusa.org/pub/>



# INTER-NOISE 2019

## Madrid, Spain

- President: Antonio Pérez-López
- Vice Presidents:  
José Salvador Santiago Páez,  
Amondo García Rodríguez



Antonio Pérez-López at the Opening Ceremony  
and the Opening Reception at the IFEMA Palacio Municipal



# INTER-NOISE 2019, Madrid: Plenaries & Keynotes



Ines López Arteaga

Eindhoven  
University of  
Technology  
& Royal Institute of  
Technology of  
Sweden



Stephen Hambric

Pennsylvania  
State University  
Center for  
Acoustics and  
Vibrations



Jun Yang

Chinese  
Academy of  
Sciences



André Fiebig

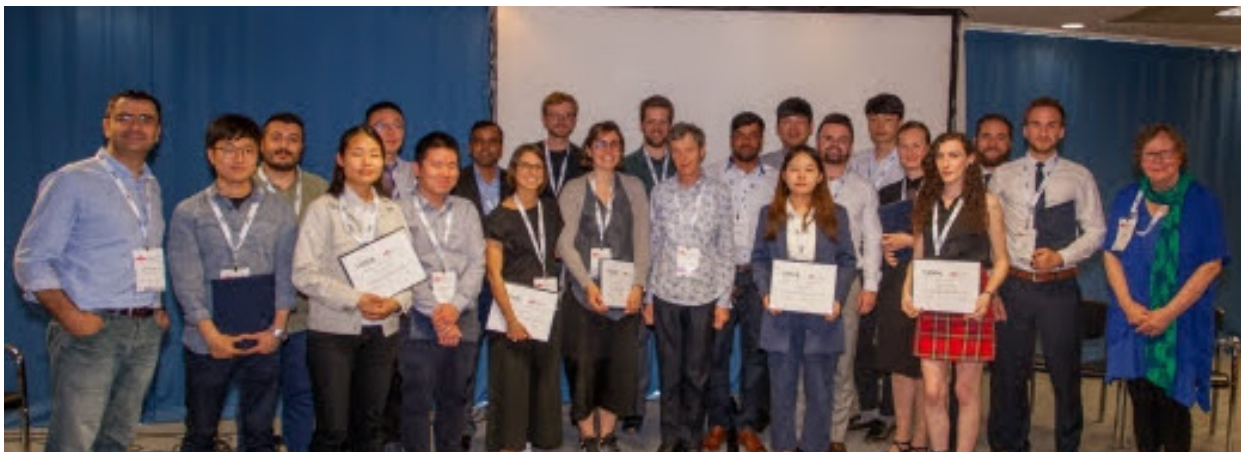
TU Berlin

# INTER-NOISE 2019: Madrid, Spain Celebrating 50 Years of SEA





# INTER-NOISE 2019: Madrid, Spain



2019 I-INCE Young Professionals (YPs) Conference Attendance Awardees with YP program co-ordinator Taha Sen (left), I-INCE President Marion Burgess (center), and Patricia Davies, I-INCE Vice President for Technical Activities (right)



# INTER-NOISE 2019: Madrid, Spain

## Enjoying Downtown Madrid





# INTER-NOISE 2020 Seoul, Korea

## First INTER-NOISE E-Congress



- Yang-Hann Kim,  
Honorary Chair (left)
- Semyung Wang,  
General Chair  
(lower left)
- Jin Yong Jeon,  
Technical Chair
- Yeon June Kang,  
Secretary General







**Inter-noise2020**

**Venue: COEX**



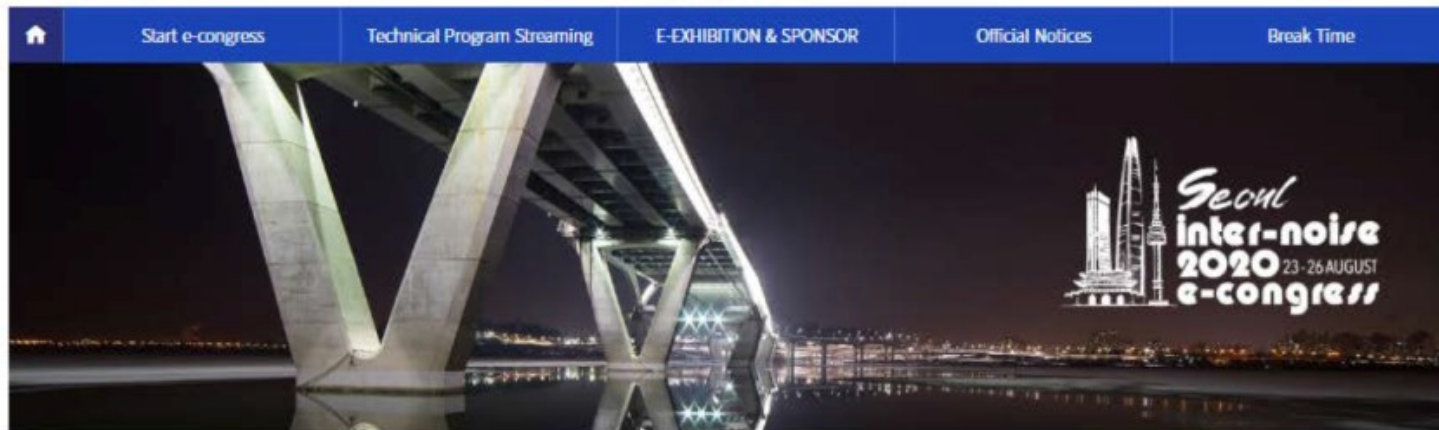
**Inter-Noise2020**

Coex, Seoul, Korea | 23 (SUN)-26(WED) August 2020

Most of us missed visiting beautiful Seoul, Korea,  
but the congress opened our eyes to the positive possibilities of e-Congresses







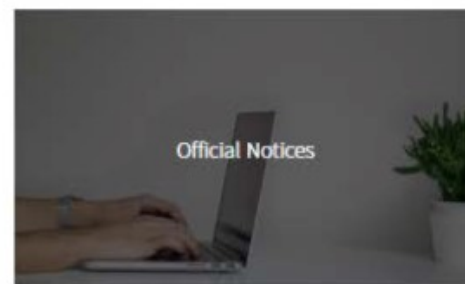
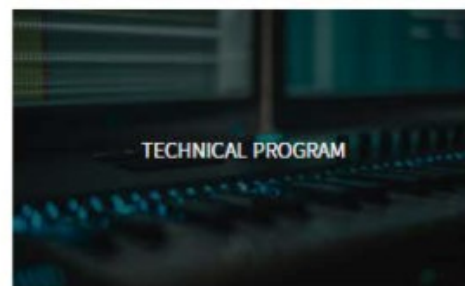
## The 49th Inter-noise 2020

International Congress and Exposition on Noise Control Engineering

23-26 August

Advances in Noise and Vibration Control Technology

The streaming of the video clips and PDF files is available from 23 Aug to 6 Sep



Zoom-based  
platform  
smoothly run by  
KSNVE  
staff

Low cost,  
enabling many  
students to  
attend

E-exhibit

Live Young  
Professionals  
programs tuned  
to 3 time zones!

Pre-recording  
opened up new  
presentation  
possibilities



## INTER-NOISE 2020, Seoul Plenaries



Jaeheon Kim  
Hyundai Motor Group, Korea

Vehicle Noise and Vibration



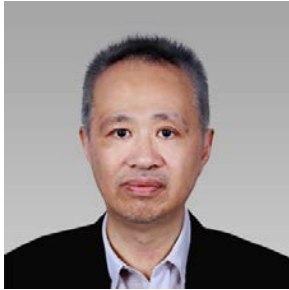
Catherine Gustavino  
McGill University, Canada

Urban Soundscape



# INTER-NOISE 2020, Seoul: Keynote Speakers

## **Keynote 1 Spatial Hearing**



Bosun Xie  
South China  
University of  
Technology, China



Michelle Vigeant  
Pennsylvania State  
University, USA

## **Keynote 2 Acoustic Black Hole**



Wonju Jeon  
Korean Advanced  
Institute of  
Technology, Korea



Mikhail Mironov,  
Andreyev Acoustics  
Institute, Russia

## **Keynote 3 Floor Impact Sounds**



Berndt Zeitler  
University of  
Applied Sciences  
Stuttgart, Germany



Atsuo Hiramitsu  
Building Research  
Institute, Japan



# INTER-NOISE 2021, Washington, DC, USA 50<sup>th</sup> INTER-NOISE Congress

President:  
Raj Singh

Co-President:  
Davi Akkerman

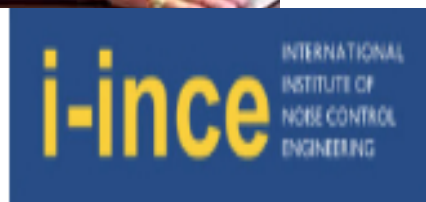


in conjunction with  
**1-Day Pan American Symposium**



Planning for  
Quieter Cities

Acoustic Comfort  
in Buildings

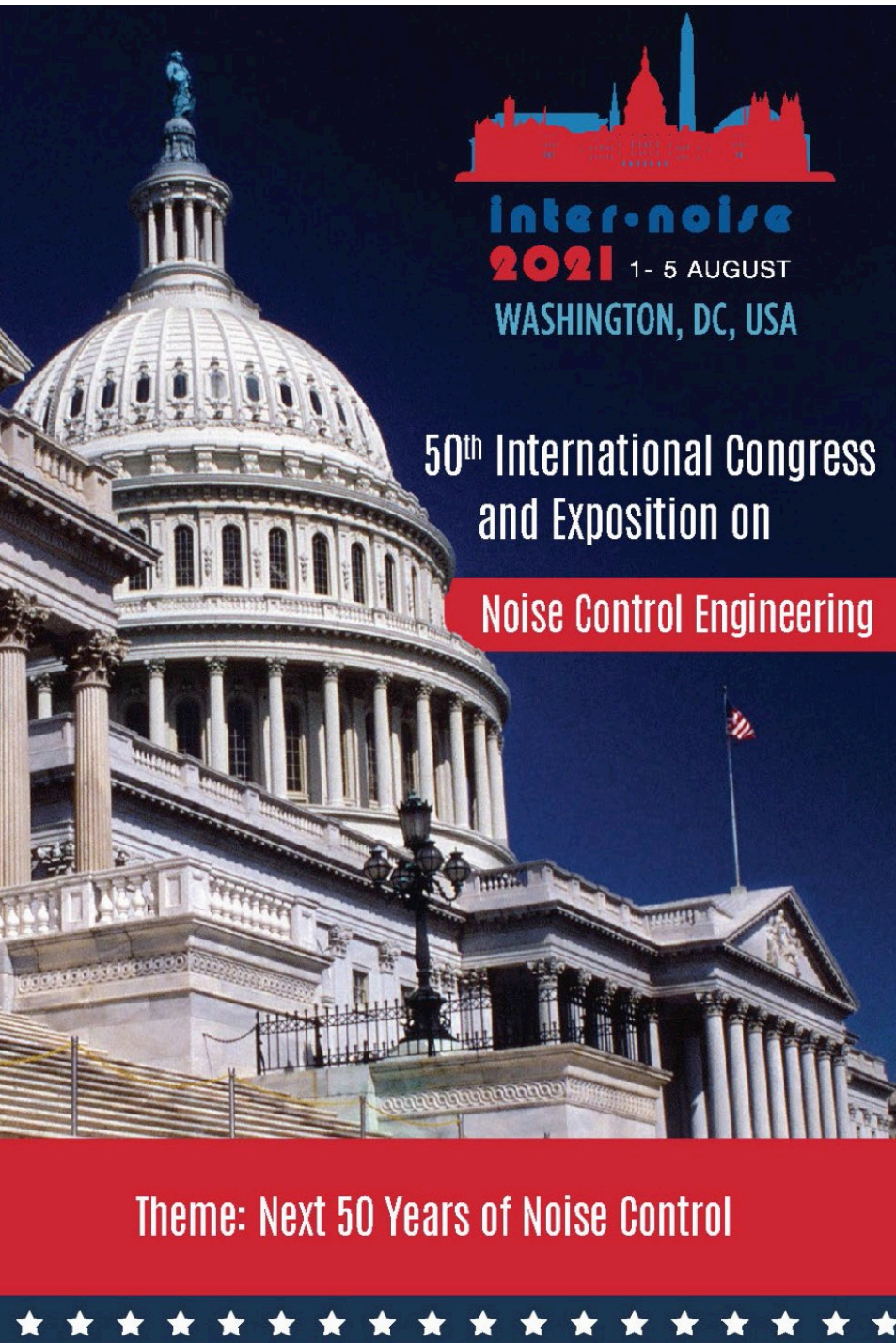


# inter-noise 2021



Brazilian  
Association for  
Acoustical Quality





Second Virtual  
INTER-NOISE Congress  
because of continuing  
travel restrictions  
due to the  
COVID 19 Pandemic

Plenaries and Keynotes  
looking forward to the  
Noise Control Challenges  
2022-2071



# INTER-NOISE 2021

## 50<sup>th</sup> INTER-NOISE Congress

### Plenaries/Keynotes



Jian Kang  
University College,  
London



Ross Cutler  
Microsoft Corp.  
USA



Robert Aichner  
Microsoft Corp,  
USA



François-Xavier Bécot , Matelys  
Res. Lab, France

Naoaki Shinohara  
Aviation Env. Res.  
Center, Japan



Jorge Arenas  
University Austral  
of Chile



Megan Ballard  
Uni. of Texas  
at Austin, USA



Pascale Neple  
Airbus Ops.  
SAS, France



←4am

# I-INCE Latin America Young Professional Awards Events at INTER-NOISE 2021, “Washington, DC”

←2pm



# INTER-NOISE 2021, Classic Paper Competition



An overview of Leo Beranek's paper on "The Forty-fifth Thomas Hawksley Lecture: The Transmission and Radiation of Acoustic Waves by Structures" and its influence on architectural acoustic research

Jonathan M. Broyles – Penn State University

Overview of J. E. Ffowcs Williams' 1984 paper on anti-sound

Dazhuang He – Purdue University

Overview of Dah-You Maa's 1987 paper on 'Microperforated-panel wideband absorbers'

Zhuang Mo – Purdue University

Overview of Biot's 1956 paper on "Theory of propagation of elastic waves in a fluid-saturated porous solid  
1. Low-frequency range"

Guochenhao Song – Purdue University

Overview of Sung, S.H. and Nefske, D.J.'s 1984 paper on "A Coupled Structural-Acoustic Finite Element Model for Vehicle Interior Noise Analysis"

Srinivasa-Rao Ippili – University of Kentucky

Overview of M. J. Lighthill's and M. H. A. Newman's 1952 paper on "On Sound Generated Aerodynamically.  
1. General Theory"

Seth Donkin – University of Kentucky

Overview of Hunt, F. V., Beranek, L. L., and Maa, D. Y.'s 1939 paper on "Analysis of Sound Decay in Rectangular Rooms"

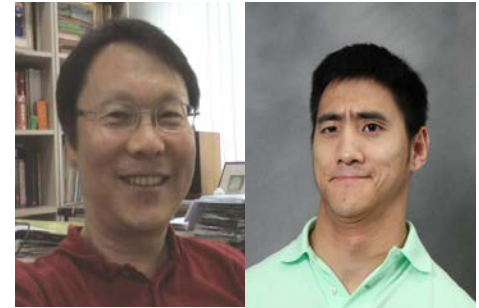
Jared Schmal – University of Kentucky





# Practice of Noise Control School - Saturday

Jeong-Guon Ih,  
Korea Advanced Institute of Science and Technology, Korea  
**Industry 4.0 and Noise Control Engineering**



Yangfan Liu,  
Ray W. Herrick Laboratories, Purdue University, USA  
**Acoustic Source Localization Techniques and Applications**

Etienne Parizet,  
Laboratoire de Vibrations et Acoustique, INSA-Lyon, France  
**Discomfort Due to Noise and Vibration in Vehicles**



Dick Bowdler,  
Noise Consultant, Scotland, UK  
**Deafness, Nuisance and Other Brushes with the Law**

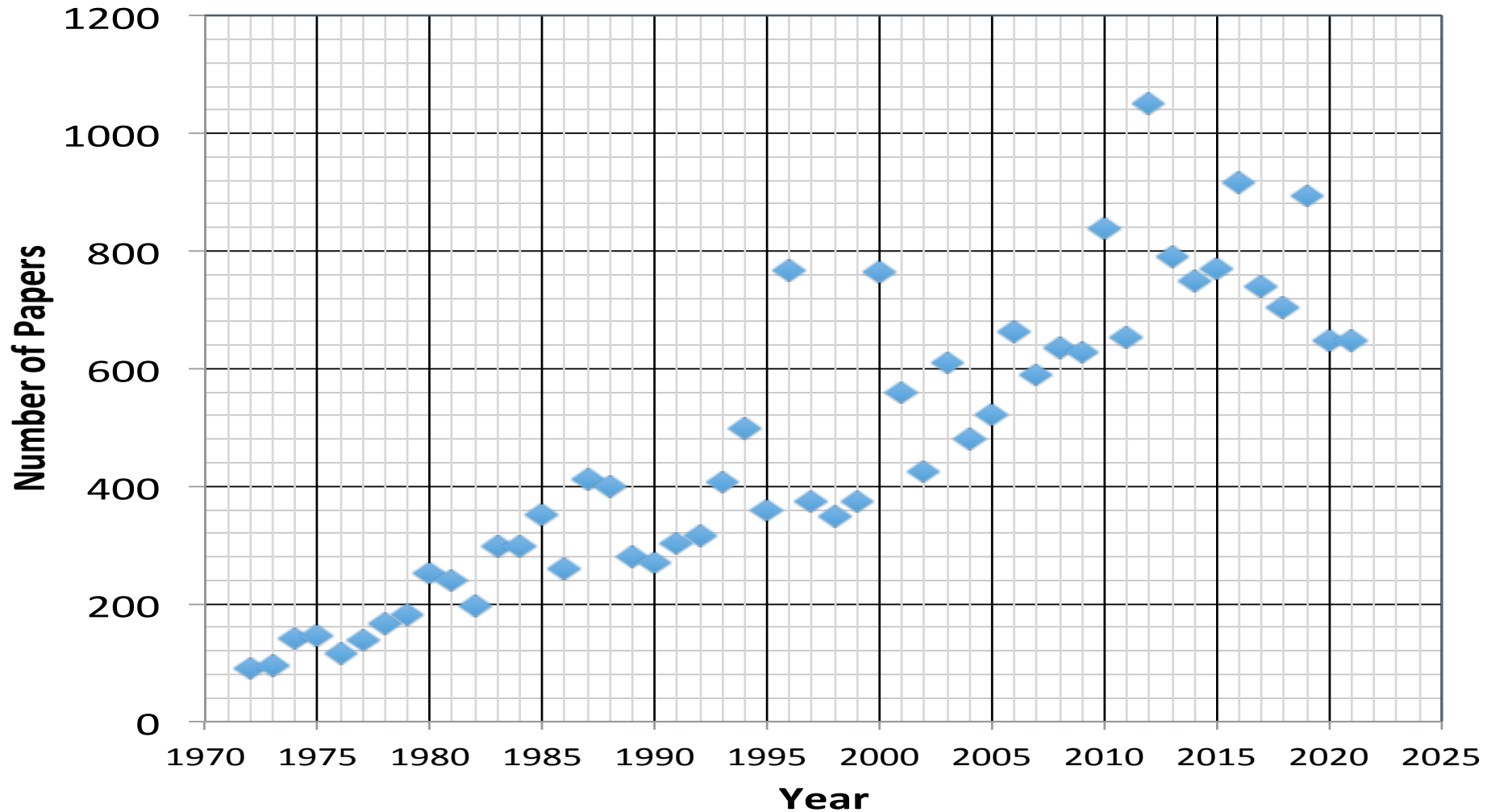
Joe Cuschieri,  
Lockheed Martin RMS, West Palm Beach, Florida, USA  
**Underwater Noise Control**



Judith (Judy) Rochat,  
Cross-Spectrum Acoustics, California, USA  
**Transportation Noise: Case Studies and Considerations**

# Numbers of Papers at INTER-NOISE Congresses

## 23,351 Papers, 1972-2021



**Papers Available at the INCE Digital Library**