

ACTA ACUSTICA

UNITED WITH

ACUSTICA

The Journal of the European Acoustics Association (EAA) · International Journal on Acoustics

ISSN 1610-1928 · Volume 99

Editor-in-Chief

Prof. Dr. ir. Dick Botteldooren
Acoustics Group,
Department of Information Technology,
Ghent University,
St. Pietersnieuwstraat 41,
B-9000 Gent, Belgium.
Tel. +32 9 264 9968
Fax +32 9 264 9969
e-mail: aa.a@intec.ugent.be

Publisher

S. Hirzel Verlag GmbH & Co.
P.O. Box 10 10 61
D-70009 Stuttgart
Tel: +49 711 2582-0
Fax: +49 711 2582-290

Internet

www.Acta-Acustica-united-with-Acustica.com
www.Ingentaconnect.com/content/dav/aaua

Abstracted/Indexed in:

- Cambridge Scientific Abstracts/
Electronics and Communication Abstracts;
- Current Contents/Physical,
Chemical and Earth Sciences;
- Current Contents/Engineering,
Computing & Technology;
- Ei Compendex Plus (Engineering Infor-
mation);
- FRANCIS (CNRS); INSPEC;
- Research Alert; SciSearch;
Science Citation Index;
- Recognized by the
European Physical Society.

Volume 99 (2013) · Number 1 – 6

No. 1, January/February 2013	page	1 – 176
No. 2, March/April 2013	page	177 – 340
No. 3, May/June 2013	page	341 – 502
No. 4, July/August 2013	page	503 – 686
No. 5, September/October 2013	page	687 – 852
No. 6, November/December 2013	page	853 – 1018

Structured Sections

The Acoustics of the Ancient Theatres
(Vol. 99 No. 1, 1–125)

■ **General Linear Acoustics**

- Diffraction of spherical waves on large strongly elongated spheroids, *I. V. Andronov* 177
- Theoretical and Experimental Investigation on Laser-Generated Guided Wave Propagation Characteristic of an Overlying Plate/Substrate, *H. Wang, Q. Han, M. Qian* 687
- On the Acoustic Transfer Function of Slowly Tapered Small Horns Filled With Thermo-Viscous Fluid, *P. Honzík, S. Durand, N. Joly, M. Bruneau* 694
- SH Wave Scattering at a Broken Tapered End of an Elastic Plate, *Y. N. Al-Nassar, M. A. Hawwa* 863
- Transient Axial Solution for the Reflection of a Spherical Acoustic Wave from a Rigid Concave Parabolic Reflector, *J. Zhang, X. Zeng* 867

■ **Nonlinear Acoustics, Macrosonics**

- On the Sensitivity of Conjugate Acoustic Wave at Parametric Resonance Conditions to Small Wave Length Variations, *A. Merlen, P. Voinovich* 126
- On the Optimization of an Acoustic Resonator Shape with Respect to Acoustic Pressure Amplitude, *M. Cervenka, M. Bednarik* 183
- Thermal Self-Action Effects of Acoustic Beam in a Gas with Reversible or Irreversible Chemical Reaction, *A. Perelomova* 352

■ **Flow Acoustics**

- Practical Computational Aeroacoustics for Complex Confined Scattering Geometries in Low Mach Number Flows, *A. Pradera-Mallabiarrena, F. Jacobsen, C. Svendsen, A. Rivas, N. Gil-Negrete* 130
- Silent Owl Flight: Comparative Acoustic Wind Tunnel Measurements on Prepared Wings, *T. Geyer, E. Sarradj, C. Fritzsche* 139
- Two-Sided Multi-Port Techniques for Characterisation of In-Duct Samples with Non-Linear Acoustic Properties, *H. Bodén* 359
- Thermal-Mechanical Wave Propagation in Inviscid Non-Uniform Flow Confined by Heating Pipeline and Implications for Transit-Time Flow Meter, *Y. Chen, Y. Huang, X. Chen* 503
- Turbulent Mixing Noise from Underexpanded Non-circular Slot Jets, *T. J. S. Jothi, K. Srinivasan* 514
- Viscothermal Longitudinal Wave Propagation in Non-Uniform Shear Liquid Flow Confined by Constant Temperature Pipeline and Implications for Ultrasonic Flow Meter, *Y. Chen, Y. Huang, X. Chen* 875

■ **Atmospheric Sound**

- Influence of Real Atmospheric Conditions on Free Propagation of Aircraft Noise, *U. Binder, U. Isermann, R. Schmid* 192

- Reflection and Transmission of Sound From a Dipole Source Near a Rigid Porous Medium, *K. M. Li, H. Tao* 703

■ **Underwater Sound**

- Characterization of Target Spheres for Broad-Band Calibration of Acoustic Systems, *H. Hobæk, T. Nesse Forland* 465
- Fluid-Solid Static Coupling for Saturated Porous Fiber Metals in the Biot's Acoustic Theory, *L. Sanchez-Ricart, J. García-Peláez* 716
- Seabed Shear-Wave Velocity Estimation from Dispersion Curves of Love Waves, *H. Dong, G. Ke, K. Duffaut* 890

■ **Ultrasonics**

- Surface Acoustic Wave Propagation in Lanthanum Strontium Manganese Oxide - Lithium Niobate Structures, *P. Každailis, R. Giriūnienė, R. Rimeika, D. Čiplys, K. Šliužienė, V. Lissauskas, B. Vengalis, M. S. Shur* 493
- Coupled Vibration Analysis for a Composite Cylindrical Piezoelectric Ultrasonic Transducer, *X. Zhang, S. Lin, Z. Fu, Y. Wang* 201
- Positioning of Drops, Particles and Bubbles in Ultrasonic Standing-Waves Levitators. A Final Round Up, *E. G. Lierke, L. Holitzner* 302

■ **Physical Acoustics**

- Near Infrared Photoacoustic Detection of Heptane in Synthetic Air, *L. Duggen, M. Albu, M. Willatzen, H.-G. Rubahn* 317
- Lamb Modes for the Characterization of Bonded Structures, *N. Alaoui Ismaili, C. De Mello da Silva, M. Ech-Cherif El-Kettani, G. Despau, M. Rousseau, J.-L. Izbicki* 331
- Acoustic Thermal Boundary Condition on Thin Bodies: Application to Membranes and Fibres, *T. Lavergne, N. Joly, S. Durand* 524
- Analysis of a Coaxial, Compact Thermoacoustic Heat-Pump, *G. Poignand, A. Podkovskiy, G. Penelet, P. Lotton, M. Bruneau* 898

■ **Structural Acoustics**

- Vibroacoustic Modelling of a Periodic Assembly of Multi-Coupled Fins Based on Wave Decomposition, *G. Gosse, C. Pézerat, F. Bessac* 208

■ **Noise Control**

- Sound Intensity and Acoustic Source Quantification to Identify the Noise Contributions of Gasoline Direct Injection Components, *B.-H. Kim, J.-U. Jang, S.-K. Lee* 323

■ **Active Control**

- Using Active Noise Cancelling Headphones to Reduce the Effects of Masking in Commercial Aviation, *B. R. C. Molesworth, M. Burgess, A. Chung* 822

- Mathematical model for a multichannel active absorption system, *M. Norambuena, A. Jakob, M. Möser* 905
- **Environmental Noise**
- Effects of Sounds from Water on Perception of Acoustic Environments Dominated by Road-Traffic Noise, *M. Rådsten-Ekman, Ö. Axelsson, M. E. Nilsson* 218
- Random-Incidence Absorption and Scattering Coefficients of Vegetation, *H.-S. Yang, J. Kang, C. Cheal* 379
- Activity Interference Caused by Traffic Noise: Experimental Determination and Modeling of the Number of Noticed Sound Events, *J. Terroir, B. De Coensel, D. Botteldooren, C. Lavandier* 389
- Acoustical Efficiency of a Sonic Crystal Assisted Noise Barrier, *F. Koussa, J. Defrance, P. Jean, P. Blanc-Benon* 399
- Acoustic Environment of University Campuses in China, *W. Su, J. Kang, H. Jin* 410
- Ground Vibration, Infrasound and Low Frequency Noise Measurements from a Modern Wind Turbine, *P. Botha* 537
- Noise in Sonic Environmental Studies: Comparing Word Meaning in Discourses of Community Noise and Soundscape Research, *M. E. Niessen, T. Van de Cruys, C. Cance, D. Dubois* 853
- **Building Acoustics**
- On the Evaluation of Decay Curves to Determine Structural Reverberation Times for Building Elements, *C. Hopkins, M. Robinson* 226
- Numerical Investigation of the Repeatability and Reproducibility of Laboratory Sound Insulation Measurements, *A. Dijkmans, G. Vermeir* 421
- Revision of ISO 717: Why Not Use Impact Sound Reduction Indices Instead of Impact sound Pressure Levels? Part 2: Application to Different Impact Sources, *W. Scholl, R. Ciszewski, V. Wittstock* 917
- **Room Acoustics**
- The Acoustics of the Ancient Theatres (14 papers) 1–125
- Conceptual Aspects Regarding the Qualification of Spaces for Aural Performances, *J. Blauert* 1
- Theatre Design in Ancient Times: Science or Opportunity?, *A. Cocchi* 14
- Roman Theatres and Revival of Their Acoustics in the ER-ATO Project, *J. H. Rindel* 21
- Measurements and Analysis of the Epidaurus Ancient Theatre Acoustics, *S. Psarras, P. Hatziantoniou, M. Kountouras, N.-A. Tatlas, J. N. Mourjopoulos, D. Skarlatos* 30
- Acoustics of Epidaurus – Studies With Room Acoustics Modelling Methods, *T. Lokki, A. Southern, S. Siltanen, L. Savioja* 40
- The Significance of Sound Diffraction Effects in Simulating Acoustics in Ancient Theatres, *P. Economou, P. Charalampous* 48
- On the Use of Ancient Open-Air Theatres for Modern Un-amplified Performances: A Scale Model Approach, *N. Prodi, A. Farnetani, P. Fausti, R. Pompoli* 58
- The Use of Resonators in Ancient Greek Theatres, *S. Polychronopoulos, D. Kougias, P. Polykarpou, D. Skarlatos* 64
- Acoustic Pots in Ancient and Medieval Buildings: Literary Analysis of Ancient Texts and Comparison with Recent Observations in French Churches, *J.-C. Valière, B. Palazzo-Bertholon, J.-D. Polack, P. Carvalho* 70
- Function and Acoustic Properties of Ancient Greek Theatre Masks, *A. Tsilfidis, T. Vovolis, E. Georganti, J. Mourjopoulos* 82
- Francesco Milizia (1725-1798) and the Acoustics of his *Teatro Ideale* (1773), *L. Tronchin* 91
- The Application of Impulse Response Measurement Techniques to the Study of the Acoustics of *Stonegate*, a Performance Space Used in Medieval English Drama, *M. Lopez, S. Pauletto, G. Kearney* 98
- Recreating the Sound of Stonehenge, *B. Fazenda, I. Drumm* 110
- 3D Sound Characterisation in Theatres Employing Microphone Arrays, *A. Farina, L. Tronchin* 118
- The Influence of Room Acoustics on Solo Music Performance: An Empirical Case Study, *Z. Schärer Kalkandjiev, S. Weinzierl* 433
- Improved Low Frequency Room Responses by Considering Finiteness of Room Boundary Surfaces, *C.-H. Jeong* 545
- Towards Room-Volume Classification from Reverberant Speech using Room-Volume Feature Extraction and Room-Acoustics Parameters, *N. R. Shabtai, Y. Zigel, B. Rafaely* 658
- Prediction of the Effectiveness of a Sound-Masking System in an Open-Plan Office Including the Lombard Effect, *Y. Lei, M. Hodgson* 729
- Validation of the Sample Rotation Scheme in the Measurement of Random-Incidence Scattering Coefficients, *T. Sakuma, H. Lee* 737
- Acoustic Behaviour of Lightly Damped Rooms, *M. Meissner* 845
- **Acoustic Materials**
- Inversion Problems for Determining Physical Parameters of Porous Materials: Overview and Comparison Between Different Methods, *P. Bonfiglio, F. Pompoli* 341
- Transients in Porous Media: Exact and Modelled Time-Domain Green's Functions, *J. Kergomard, D. Lafarge, J. Gilbert* 557
- Acoustic Absorption of Multi-Layer Structure Composed of Porous Layers Based on Biot's Model and Transfer Matrix Method, *S. Luo, Q. Huang* 751
- Indirect Measurement of the Bulk Properties of Acoustic Absorbing Samples, *E. H. G. Tijs, W. F. Druyvesteyn* 997

Characterization of the Attenuation Properties in Motorcycle Helmets, <i>J. L. González, J. A. Vilán, M. A. Sobreira, S. Torres</i>	1008
■ Computational and Numerical Acoustics	
Aeroacoustics of the Edge Tone: 2D-3D Coupling Between CFD and CAA, <i>I. Vaik, G. Paál, M. Kaltenbacher, S. Triebenbacher, S. Becker, I. Shevchenko</i>	245
A Diffraction Model for Acoustical Ray-Tracing Based on the Energy Flow Lines Concept, <i>A. Billon, J.-J. Embrechts</i>	260
Acoustic Resonances in 2D Open Cavities, <i>L. M. González, P. Cobo, V. Theofilis, E. Valero</i>	572
Higher Order Finite and Infinite Acoustical Elements Based on Ultraspherical Polynomials, <i>J. Biermann, O. von Estorff</i>	759
A Meshless Method for the Helmholtz Eigenvalue Problem Based on the Taylor Series of the 3-D Green's Function, <i>A. Leblanc, A. Lavie</i>	770
Dual-Time Approach to the Numerical Simulation of Modulated Nonlinear Ultrasound Fields, <i>E. V. Donsov, B. B. Guzina</i>	777
Comparison of Different Methods for Simulating Acoustic Diffuse Field Excitations, <i>P. Rong, M. Abele, O. von Estorff</i>	931
On Prediction of Combustion Generated Noise with the Turbulent Heat Release Rate, <i>F. Zhang, P. Habisreuther, H. Bockhorn, H. Nawroth, C. O. Paschereit</i>	940
■ Hearing, Audiology and Psychoacoustics	
Loudness of Speech and Speech-Like Signals, <i>J. Rennie, I. Holube, J. L. Verhey</i>	268
Auditory Motion Perception in Normal Hearing and in Hearing Impaired People, <i>T. Kaczmarek, M. Niewiarowicz</i>	283
A Real-Time Hearing-Aid Research Platform (HARP): Realization, Calibration, and Evaluation, <i>J. M. Buchholz</i>	477
Comparison of Different Short-Term Speech Intelligibility Index Procedures in Fluctuating Noise for Listeners with Normal and Impaired Hearing, <i>R. M. Meyer, T. Brand</i>	442
Comparison of Perceptual and Motor Responses to Changes in Intensity and Voice Fundamental Frequency, <i>H. Z. Hafke-Dys, A. Preis, T. Kaczmarek</i>	457
Ear Canal Properties of Children: Dimensions of Ear Canals and Simulation of the Input-Impedance*, <i>J. Fels, J. Paprotny</i>	582
Noise Exposure in Preterm Infants Treated with Respiratory Support Using Neonatal Helmets, <i>F. Fernández, R. Hernández, J. L. Cueto, S. Lubián, A. Alonso</i>	590
An Experimental Study on Multiple Acoustic Venting for Hearing Aid Applications, <i>D. Stevenson, G. Searchfield, G. Dodd, X. Xu</i>	598
Measurement of Children's Ear Canal Impedances, <i>J. Fels</i>	670
"Warm-Up" Time in Human Ear Canals Upon Occlusion by an Eartip, <i>M. Zebian, J. Hensel, S. Vollbort, T. Fedtke</i>	678
Towards Roughness as an Additional Metric for Aircraft Noise Containing Multiple Tones, <i>G. J. Perakis, I. H. Flindell, R. H. Self</i>	828
Measurement of a Full 3D Set of HRTFs for In-Ear and Hearing Aid Microphones on a Head and Torso Simulator (HATS), <i>C. Oreinos, J. M. Buchholz</i>	836
Concurrent Vowel Identification and Speech Perception in Noise in Individuals With Cochlear Hearing Loss, <i>U. A. Kumar, P. Rayanagoudar, A. Nambi</i>	952
■ Speech	
Call Quality Prediction for Audiovisual Time-Varying Impairments Using Simulated Conversational Structures, <i>B. Belmudez, B. Lewcio, S. Möller</i>	792
■ Musical Acoustics	
Numerical Study on Acoustic Oscillations of 2D and 3D Flue Organ Pipe Like Instruments with Compressible LES, <i>M. Miyamoto, Y. Ito, T. Iwasaki, T. Akamura, K. Takahashi, T. Takami, T. Kobayashi, A. Nishida, M. Aoyagi</i>	154
Nonlinear Sound Propagation in Trumpets, <i>P. L. Rendón, R. Ezeta, A. Pérez-López</i>	607
The Logical Clarinet: Numerical Optimization of the Geometry of Woodwind Instruments, <i>D. Noreland, J. Kergomard, F. Laloë, C. Vergez, P. Guillemain, A. Guilloteau</i>	615
Comparison of Trumpets' Sounds Played by a Musician or Simulated by Physical Modelling, <i>J.-F. Petiot, J. Gilbert</i>	629
One-Dimensional Acoustic Models of Horns and Comparison with Measurements, <i>T. Hélie, T. Hézard, R. Mignot, D. Matignon</i>	960
External Tonehole Interactions in Woodwind Instruments, <i>A. Lefebvre, G. P. Scavone, J. Kergomard</i>	975
Gestural Strategies in the Harp Performance, <i>D. Chade-faux, J.-L. Le Carrou, M. M. Wanderley, B. Fabre, L. Daudet</i>	986
■ Auditory Quality of Systems	
Investigation on Localisation Accuracy for First and Higher Order Ambisonics Reproduced Sound Sources, <i>S. Bertet, J. Daniel, E. Parizet, O. Warusfel</i>	642
Perceptual Evaluation of Dissimilarity Between Auditory Stimuli: An Alternative to the Paired Comparison, <i>P.-Y. Michaud, S. Meunier, P. Herzog, M. Lavandier, G. Drouet d'Aubigny</i>	806
■ History of Acoustics	
Acoustics, Liturgy and Architecture in the Early Christian Church. From the domus ecclesiae to the basilica, <i>R. Suárez, J. J. Sendra, A. Alonso</i>	292
Erwin Meyer – A Great German Acoustician. Biographical Notes, <i>D. Guicking</i>	816

A

M. Abele 931
T. Akamura 154
Y. N. Al-Nassar 863
N. Alaoui Ismaili 331
M. Albu 317
A. Alonso 292, 590
I. V. Andronov 177
M. Aoyagi 154
Ö. Axelsson 218

B

S. Becker 245
M. Bednarik 183
B. Belmudez 792
S. Bertet 642
F. Bessac 208
J. Biermann 759
A. Billon 260
U. Binder 192
P. Blanc-Benon 399
J. Blauert 1
H. Bockhorn 940
H. Bodén 359
P. Bonfiglio 341
P. Botha 537
D. Botteldooren 389
T. Brand 442
M. Bruneau 694, 898
J. M. Buchholz .. 477, 836
M. Burgess 822

C

C. Cance 853
P. Carvalho 70
M. Cervenka 183
D. Chadeaux 986
P. Charalampous 48
C. Cheal 379
X. Chen 503, 875
Y. Chen 503, 875
D. Čiplýs 493
A. Chung 822
R. Ciszewski 917
P. Cobo 572
A. Cocchi 14
J. L. Cueto 590

D

J. Daniel 642
L. Daudet 986

B. De Coensel 389
C. De Mello da Silva .. 331
J. Defrance 399
G. Despau 331
A. Dijckmans 421
G. Dodd 598
H. Dong 890
E. V. Donsov 777
G. Drouet d'Aubigny .. 806
I. Drumm 110
W. F. Druyvesteyn 997
D. Dubois 853
K. Duffaut 890
L. Duggen 317
S. Durand 524, 694

E

M. Ech-Cherif El-Kettani
..... 331
P. Economou 48
J.-J. Embrechts 260
O. von Estorff 759, 931
R. Ezeta 607

F

B. Fabre 986
A. Farina 118
A. Farnetani 58
P. Fausti 58
B. Fazenda 110
T. Fedtke 678
J. Fels 582, 670
F. Fernández 590
I. H. Flindell 828
C. Fritzsche 139
Z. Fu 201

G

J. García-Peláez 716
E. Georganti 82
T. Geyer 139
N. Gil-Negrete 130
J. Gilbert 557, 629
R. Giriūnienė 493
J. L. González 1008
L. M. González 572
G. Gosse 208
D. Guicking 816
P. Guillemain 615
A. Guilloteau 615

B. B. Guzina 777

H

T. Hélie 960
T. Hézard 960
P. Habisreuther 940
H. Z. Hafke-Dys 457
Q. Han 687
P. Hatziantoniou 30
M. A. Hawwa 863
J. Hensel 678
R. Hernández 590
P. Herzog 806
H. Hobæk 465
M. Hodgson 729
L. Holitzner 302
I. Holube 268
P. Honzík 694
C. Hopkins 226
Y. Huang 503, 875
Q. Huang 751

I

U. Isermann 192
Y. Ito 154
T. Iwasaki 154
J.-L. Izbicki 331

J

F. Jacobsen 130
A. Jakob 905
J.-U. Jang 323
P. Jean 399
C.-H. Jeong 545
H. Jin 410
N. Joly 524, 694
T. J. S. Jothi 514

K

P. Každailis 493
T. Kaczmarek ... 283, 457
M. Kaltenbacher 245
J. Kang 379, 410
G. Ke 890
G. Kearney 98
J. Kergomard 557, 615, 975
B.-H. Kim 323
T. Kobayashi 154
D. Kougias 64
M. Kountouras 30
F. Koussa 399

U. A. Kumar 952

L

D. Lafarge 557
F. Laloë 615
C. Lavandier 389
M. Lavandier 806
T. Lavergne 524
A. Lavie 770
J.-L. Le Carrou 986
A. Leblanc 770
S.-K. Lee 323
H. Lee 737
A. Lefebvre 975
Y. Lei 729
B. Lewcio 792
K. M. Li 703
E. G. Lierke 302
S. Lin 201
V. Lissauskas 493
T. Lokki 40
M. Lopez 98
P. Lotton 898
S. Lubián 590
S. Luo 751

M

D. Matignon 960
M. Meissner 845
A. Merlen 126
S. Meunier 806
R. M. Meyer 442
P.-Y. Michaud 806
R. Mignot 960
M. Miyamoto 154
B. R. C. Molesworth .. 822
S. Möller 792
J. N. Mourjopoulos . 30, 82
M. Möser 905

N

A. Nambi 952
H. Nawroth 940
T. Nesse Forland 465
M. E. Niessen 853
M. Niewiarowicz 283
M. E. Nilsson 218
A. Nishida 154
M. Norambuena 905
D. Noreland 615

O

C. Oreinos 836

P

G. Paál 245
B. Palazzo-Bertholon ... 70
J. Paprotny 582
E. Parizet 642
C. O. Paschereit 940
S. Pauletto 98
G. Penelet 898
G. J. Perakis 828
A. Pérez-López 607
A. Perelomova 352
J.-F. Petiot 629
C. Pézerat 208
A. Podkovskiy 898
G. Poignand 898
J.-D. Polack 70
S. Polychronopoulos ... 64
P. Polykarpou 64
F. Pompoli 341
R. Pompoli 58
A. Pradera-Mallabiarrena
..... 130
A. Preis 457
N. Prodi 58
S. Psarras 30

Q

M. Qian 687

R

M. Rådsten-Ekman ... 218
B. Rafaely 658
P. Rayanagoudar 952
P. L. Rendón 607
J. RENNIES 268
R. Rimeika 493
J. H. Rindel 21
A. Rivas 130
M. Robinson 226
P. Rong 931
M. Rousseau 331
H.-G. Rubahn 317

S

T. Sakuma 737
L. Sanchez-Ricart 716
E. Sarradj 139
L. Savioja 40
G. P. Scavone 975
Z. Schärer Kalkandjiev 433
R. Schmid 192
W. Scholl 917
G. Searchfield 598
R. H. Self 828
J. J. Sendra 292
N. R. Shabtai 658
I. Shevchenko 245
M. S. Shur 493
S. Siltanen 40

D. Skarlatos 30, 64
K. Šliužienė 493
M. A. Sobreira 1008
A. Southern 40
K. Srinivasan 514
D. Stevenson 598
W. Su 410
R. Suárez 292
C. Svendsen 130

T

K. Takahashi 154
T. Takami 154
H. Tao 703
N.-A. Tatlas 30
J. Terroir 389
V. Theofilis 572
E. H. G. Tjjs 997
S. Torres 1008
S. Triebenbacher 245
L. Tronchin 91, 118
A. Tsilfidis 82

V

I. Vaik 245
E. Valero 572
J.-C. Valière 70
T. Van de Cruys 853
B. Vengalis 493
C. Vergez 615

J. L. Verhey 268
G. Vermeir 421
J. A. Vilán 1008
P. Voinovich 126
S. Vollbort 678
T. Vovolis 82

W

M. M. Wanderley 986
Y. Wang 201
H. Wang 687
O. Warusfel 642
S. Weinzierl 433
M. Willatzen 317
V. Wittstock 917

X

X. Xu 598

Y

H.-S. Yang 379

Z

M. Zebian 678
X. Zeng 867
X. Zhang 201
J. Zhang 867
F. Zhang 940
Y. Zigel 658