

# ACTA ACUSTICA

UNITED WITH

# ACUSTICA

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

ISSN 1610-1928 · Volume 101

**Editor-in-Chief**

Prof. Jean Kergomard  
Directeur de recherche  
Laboratoire de Mécanique et d'Acoustique,  
CNRS  
4 impasse Nikola Tesla, CS 40006  
F-13453 Marseille Cedex 13  
Phone: +33 484 524 224  
Fax: +33 484 525 959  
E-mail: aaa@lma.cnrs-mrs.fr

**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](http://www.Acta-Acustica-united-with-Acustica.com)  
[www.Ingentaconnect.com/content/dav/aaua](http://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 101 (2015) · Number 1 – 6

No. 1, January/February 2015	page	1 – 210
No. 2, March/April 2015	page	211 – 434
No. 3, May/June 2015	page	435 – 662
No. 4, July/August 2015	page	663 – 876
No. 5, September/October 2015	page	877 – 1072
No. 6, November/December 2015	page	1073 – 1250

### Structured Sections

Special Section on Musician-Acoustic Instrument Interaction  
(Vol. 101 No. 2, 211 – 428)

Special Section on Loudness  
(Vol. 101 No. 6, 1073 – 1184)

■ **General Linear Acoustics**

Theoretical Study on the Sound Absorption of Surfaces With Periodical Impedance, *A. Yori, M. Möser* . . . . . 5

On the Structure of Multi-Gaussian Beam Expansion Coefficients, *M. Červenka, M. Bednařík* . . . . . 15

Propagation Behavior of Lamb Waves in Functionally Graded Piezoelectric Plates, *M. Ben Amor, I. Ben Salah, M. H. Ben Ghazlen* . . . . . 435

A Review of the *In Situ* Impedance and Sound Absorption Measurement Techniques, *E. Brandão, A. Lenzi, S. Paul* . . . . . 443

On the Consistent Use of Space and Time Conventions in Array Processing, *V. Tourbabin, B. Rafaely* . . . . . 470

Sabine Absorption Coefficient Predictions Using Different Radiation Impedances of a Finite Absorber, *C.-H. Jeong* . . . . . 663

A Measurement Method for the Sound Absorption Coefficient for Arbitrary Sound Fields and Surfaces, *A. Yori, M. Möser* . . . . . 668

Acoustic Fields in Thin Fluid Layers Between Vibrating Walls and Rigid Boundaries: Integral Method, *P. Honzík, M. Bruneau* . . . . . 859

High-Frequency Diffraction by an Elliptic Cylinder With a Strongly Elongated Cross-Section, *I. V. Andronov, V. V. Monakhov* . . . . . 908

Matching of Fundamental Modes at a Junction of a Cylinder and a Truncated Cone; Application to the Calculation of Some Radiation Impedances, *J. Kergomard, A. Lefebvre, G. P. Scavone* . . . . . 1189

■ **Nonlinear Acoustics, Macrosonics**

Viscoelastic Nonlinear Resonator with Gas-Filled Cavities, *T. B. Krit, V. G. Andreev, I. Yu. Demin* . . . . . 915

■ **Aeroacoustics**

Spectral Analysis of Velocity Fluctuations in the Vicinity of a Bias Flow Liner With Respect to the Damping Efficiency, *A. Schulz, D. Haufe, J. Czarske, A. Fischer, F. Bake, L. Enghardt* . . . . . 24

Optimum Design for Noise Reduction of a Two-Bladed Propeller Fan, *S.-H. Choi, K.-S. Lee, J. Chung* . . . . . 920

■ **Atmospheric Sound**

Sound Propagation in Rows of Cylinders of Infinite Extent: Application to Sonic Crystals and Thickets Along Roads, *P. Jean, J. Defrance* . . . . . 474

■ **Underwater Sound**

A Prolate Spheroidal Approach for Fish Target Strength Estimation: Modeling and Measurements, *I. S. Prario, J. D. Gonzalez, A. Madirolas, S. Blanc* . . . . . 928

■ **Ultrasonics**

An Improved Tubular Ultrasonic Radiator in Longitudinal and Radial Composite Vibration, *L. Xu, S. Lin* . . . . . 37

Study of Crosstalk in Linear Ultrasonic Transducer Arrays, *M. Celmer, K. J. Opieliński* . . . . . 46

Overpressure Dependence of Sub-Harmonic Generation from Contrast Agent SonoVue Microbubbles, *J. Wu, T. Fan, D. Xu, D. Zhang* . . . . . 55

Quantitative Ultrasonic Characterization of c-Axis Oriented Polycrystalline AlN Thin Film for Smart Device Application, *A. Habib, A. Shelke, M. Vogel, S. Brand, X. Jiang, U. Pietsch, S. Banerjee, T. Kundu* . . . . . 675

Optimum Bubble Temperature for the Production of Hydroxyl Radical in Acoustic Cavitation – Frequency Dependence, *S. Merouani, O. Hamdaoui, Y. Rezgui, M. Guemini* . . . . . 684

■ **Physical Acoustics**

Determination of Ice Thickness on Lakes and Canals Using Audio Sound, *A. Shaw, N. F. Declercq* . . . . . 484

Tunability of a One-Dimensional Elastic/Piezoelectric Phononic Crystal Using External Capacitances, *S. Degraeve, C. Granger, B. Dubus, J. O. Vasseur, M. Pham Thi, A.-C. Hladky-Hennion* . . . . . 494

An Improved Correction Method for Sound Source Drift in A Jet Flow and Its Application to A Wind Tunnel Measurement, *Y. Wang, J. Yang, Q. Jia, Z. Yang, Z. Shen* . . . . . 642

Weakly Nonlinear Propagation in Thermoacoustic Engines: A Numerical Study of Higher Harmonics Generation up to the Appearance of Shock Waves, *C. Olivier, G. Penelet, G. Poignand, J. Gilbert, P. Lotton* . . . . . 941

■ **Structural Acoustics**

Sound Radiation Properties of Complex Modes in Rectangular Plates: A Numerical Study, *O. Unruh, M. Sinapius, H. P. Monner* . . . . . 62

The Influence of the Horn Effect in Tyre/Road Noise, *J. H. Schutte, Y. H. Wijnant, A. de Boer* . . . . . 690

Parametric Study of Sound Radiation Properties of Complex Vibration Patterns in Rectangular Plates using an Analytical Model, *O. Unruh* . . . . . 701

■ **Noise Control**

Aerodynamic Noise in Hyperbaric Chambers: Assessment and Possible Mitigation, *C. Alippi, A. D’Orazio* . . . . . 174

Volterra Filtering Scheme using Generalized Variable Step-size NLMS Algorithm for Nonlinear Acoustic Echo Cancellation, *A. Rai, A. Kumar Kohli* . . . . . 821

A Tunable Dielectric Elastomer Acoustic Absorber, *Z. Lu, Y. Cui, M. Debiasi, Z. Zhao* . . . . . 863

■ **Active Control**

Objective and Subjective Validation of an Active Control Approach to Reduce the Occlusion Effect in Hearing Aids, *T. Zurbrügg, A. Stirnemann, M. Kuster, H. Lissek* . . . . . 502

A Review of the Effect of Reflective Surfaces on Power Output of Sound Sources and on Actively Created Quiet Zones, *S. Boodoo, R. Paurobally, Y. Bissessur* . . . . . 877

- Self-Tuneable Velocity Feedback for Active Isolation of Random Vibrations in Subcritical Two Degree Of Freedom Systems, *N. Alujević, H. Wolf, B. Depraetere, G. Zhao, Z. Domazet, B. Pluymers, W. Desmet* . . . . . 950
- **Environmental Noise**
- Effect of Height-To-Width Ratio on the Sound Propagation in Urban Streets, *P. J. Lee, J. Kang* . . . . . 73
- On the Relationship between Traffic Noise Resistance and Urban Morphology in Low-Density Residential Areas, *Y. Hao, J. Kang, D. Krijnders, H. Wörtche* . . . . . 510
- Trend Effects in Momentary and Retrospective Soundscape Judgments, *J. Steffens, C. Guastavino* . . . . . 713
- Noise Indicators to Diagnose Urban Sound Environments at Multiple Spatial Scales, *A. Can, G. Guillaume, B. Gauvreau* . . . . . 964
- **Building Acoustics**
- Determination of Measurement Uncertainties in Building Acoustics by Interlaboratory Tests. Part 1: Airborne Sound Insulation, *V. Wittstock* . . . . . 88
- Comments on “Subjective and Objective Rating of Airborne Sound Insulation – Living Sounds [Acta Acustica united with Acustica **100** (2014) 848–863]”, *J. Parmanen* 464
- Authors’ Response, *V. Hongisto, D. Oliva, J. Keränen* . . . . . 467
- On the Efficiency of Parallel Baffle-Type Silencers in Rectangular Ducts: Prediction and Measurement, *R. Binnois, E. Perrey-Debain, N. Dauchez, B. Nennig, J.-M. Ville, G. Beillard* . . . . . 520
- Correlation Between Single-Number-Quantities of Impact Sound Insulation and Various Noise Ratings of Walking on Concrete Floors, *M. Kylliäinen, J. Lietzén, V. Kovalainen, V. Hongisto* . . . . . 975
- Evaluation of Floor Vibrations Induced by Walking Barefoot in Heavyweight Buildings, *P. J. Lee, B. K. Lee, M. J. Griffin* . . . . . 1199
- **Room Acoustics**
- Reproducibility of The Random Incidence Absorption Coefficient Converted From the Sabine Absorption Coefficient, *C.-H. Jeong, J.-H. Chang* . . . . . 99
- Improved Sound Field Reverberance and Diffusivity in a Reverberation Chamber Through Implementation of Resonant-Diffusing Wall Panels, *D. T. Bradley, C. Diaz, E. Snow* . . . . . 181
- Impulsive Noise Detection in Sweep Measurements, *M. Guski, M. Vorländer* . . . . . 723
- Analysis of the Seat-Dip Effect in Twelve European Concert Halls, *H. Tahvanainen, J. Pätynen, T. Lokki* . . . . . 731
- Effect of Room Acoustics on Musicians’ Performance. Part II: Audio Analysis of the Variations in Performed Sound Signals, *K. Kato, K. Ueno, K. Kawai* . . . . . 743
- The Sound Power as a Reference for Sound Strength ( $G$ ), Speech Level ( $L$ ) and Support ( $ST$ ): Uncertainty of Laboratory and In-Situ Calibration, *R. H. C. Wenmaekers, C. C. J. M. Hak* . . . . . 892
- Modal Energy Analysis of Nearly Rectangular Rooms at Low Frequencies, *J. H. Rindel* . . . . . 1211
- Analysis of Acoustic Models and Statistical Energy Analysis with Direct Field for Machinery Room on Offshore Platform, *Xi Ji, Cheng Siong Chin* . . . . . 1234
- **Acoustic Materials**
- Porous Absorber Modeling for Low-Mid Frequency Finite Element Method, *T. S. Semerak, O. von Estorff* . . . . . 829
- Tunable Broadband Acoustic Gain in Piezoelectric Semiconductors at  $\epsilon$ -Near-Zero Response, *J. Christensen, M. Willatzen* . . . . . 986
- **Electroacoustics and Signal Processing**
- Estimation of Aircraft Sound Direction of Arrival Using Directional-Microphone Arrays, *M. Genescà, U. P. Svensson, G. Taraldsen* . . . . . 113
- A Synthetic Aperture Acoustic Short-Range Imaging System in the Audible Domain, *F. Hammer, M. Pichler* . . . . . 190
- The Audio-Granulator, *M. Hänniger* . . . . . 198
- Modeling of Lossy Inductance in Moving-Coil Loudspeakers, *X.-P. Kong, F. Agerkvist, X.-W. Zeng* . . . . . 650
- A Nearfield Acoustic Holography-Based Method for Measuring the Sensitivity of a Particle Velocity Sensor, *W.-Q. Jing, Y.-B. Zhang, C.-X. Bi* . . . . . 855
- A Study of Acoustical-Mechanical Coupling for Acoustic Energy Harvesting, *C. Papadakos, J. Mourjopoulos* . . . . . 1185
- **Computational and Numerical Acoustics**
- Design Relations and Simplified Reactance Formulas for Multi-Orifice Helmholtz Resonators, *V. S. N. R. Chintapalli, C. Padmanabhan* . . . . . 124
- Numerical Calculation of Acoustic Radiation Force and Torque Acting on Rigid Non-spherical Particles, *F. B. Wijaya, K.-M. Lim* . . . . . 531
- Using Mode Matching Methods and Edge Diffraction in Horn Loudspeaker Simulation, *B. Kolbrek, U. P. Svensson* 760
- A Platform for Benchmark Cases in Computational Acoustics, *M. Hornikx, M. Kaltenbacher, S. Marburg* . . . . . 811
- Multiphysical Finite Element Model of a Hearing Aid Piezoelectric Loudspeaker for Optimization Purposes, *G. Martins, J. Cordioli* . . . . . 993
- **Hearing, Audiology and Psychoacoustics**
- International Affective Digitized Sounds in Korea: A Cross-Cultural Adaptation and Validation Study, *Y. Choi, S. Lee, I.-M. Choi, S. Jung, Y.-K. Park, C. Kim* . . . . . 134

A Preliminary Examination of the Roles of Contextual Stimuli and Personality Traits Under the Adaptation Level Theory Model of Tinnitus, <i>M. Durai, K. Kobayashi, G. D. Searchfield</i> . . . . .	543	■ <b>Speech</b>	
Individual Equalization of Hearing Aids with Integrated Ear Canal Microphones, <i>T. Sankowsky-Rothe, M. Blau, S. Köhler, A. Stirnemann</i> . . . . .	552	Autocorrelation-Based Features for Speech Representation, <i>Y. Ando</i> . . . . .	145
An Axisymmetric Finite Element Model to Study the Earplug Contribution to the Bone Conduction Occlusion Effect, <i>M. K. Brummund, F. Sgard, Y. Petit, F. Laville, H. Nélisse</i> . . . . .	775	Modeling the Influence of Piriform Sinuses and Valleculae on the Vocal Tract Resonances and Antiresonances, <i>T. Vampola, J. Horáček, J. G. Švec</i> . . . . .	594
Sound Source Localization in the Horizontal Plane when wearing a Ski Helmet, <i>J. Seebacher, V. Weichbold, V. Koci, P. Zorowka, K. Stephan, M. Burtscher, M. Kopp, G. Ruedl</i> . . . . .	789	Speech Intelligibility Evaluation for Mobile Phones, <i>S. Jørgensen, J. Cubick, T. Dau</i> . . . . .	1016
Evaluation of Spatial Audio Reproduction Schemes for Application in Hearing Aid Research, <i>G. Grimm, S. Ewert, V. Hohmann</i> . . . . .	842	Contribution to the Creation of an Arabic Expressive Speech Corpus, <i>L. Demri, L. Falek, H. Teffahi</i> . . . . .	1052
Quantifying the Contribution of Peripheral Filtering to Auditory Sensitivity Using Cochlear Microphonic, <i>X. Feng, Y. Shen, Q. Tao, S. Sun, J. Liu, G. Wang, C. Tan</i> . . . . .	867	■ <b>Musical Acoustics</b>	
Methodology of Designing an Occluded Ear Simulator, <i>D. Rodrigues, T. Lavergne, E. Sandermann Olsen, T. Fedtke, R. Barham, J.-N. Durocher</i> . . . . .	1007	Banjo Timbre from String Stretching and Frequency Modulation, <i>D. Politzer</i> . . . . .	1
Reliability in Measuring Head Related Transfer Functions of Hearing Aids, <i>S. Harder, R. R. Paulsen, M. Larsen, S. Laugesen, M. Mihocic, P. Majdak</i> . . . . .	1064	Numerical Modeling of Collisions in Musical Instruments, <i>S. Bilbao, A. Torin, V. Chatziioannou</i> . . . . .	155
Special Section on Loudness (10 papers) . . . . .	1073–1184	Special Section on Musician–Acoustic Instrument Interaction (18 papers) . . . . .	211–428
Loudness Adaptation with Modulated Stimuli, <i>M. Van Eeckhoutte, J. Wouters, T. Francart</i> . . . . .	1073	The Interactions Between Wind Instruments and their Players, <i>J. Wolfe, N. H. Fletcher, J. Smith</i> . . . . .	211
Are Rising Sounds Always Louder? Influences of Spectral Structure and Intensity-Region on Loudness Sensitivity to Intensity-Change Direction, <i>E. Ponsot, S. Meunier, A. Kacem, J. Chatron, P. Susini</i> . . . . .	1083	How Does a Flute Player Adapt His Breathing and Playing to Musical Tasks?, <i>C. Vauthrin, B. Fabre, I. Cossette</i> . . . . .	224
The Effects of Acoustic Intensity, Spectrum, and Duration on Global Loudness Change, <i>K. N. Olsen, S. A. Herff</i> . . . . .	1094	Assessment of Bassoon Tuning Quality from Measurements under Playing Conditions, <i>T. Grothe, J. Baumgart</i> . . . . .	238
Are Temporal Loudness Weights Under Top-Down Control? Effects of Trial-By-Trial Feedback, <i>D. Oberfeld</i> . . . . .	1105	An Acoustic and Perceptual Evaluation of Saxophone Pad Resonators, <i>P. Eveno, J.-P. Dalmont, R. Caussé, G. Scavone</i> . . . . .	246
Contribution of Peak Events to Overall Loudness, <i>A. Fiebig, R. Sottek</i> . . . . .	1116	In-Vitro and Numerical Investigations of the Influence of a Vocal-Tract Resonance on Lip Auto-Oscillations in Trombone Performance, <i>V. Fréour, N. Lopes, T. Hélie, R. Caussé, G. P. Scavone</i> . . . . .	256
Loudness of Speech Transmitted via Handsfree Telephone Systems - Perceptual Measurements and Loudness Models in Free Field Listening, <i>I. Edjekouane, C. Plapous, C. Quinquis, S. Meunier</i> . . . . .	1130	Effect of Vocal Tract Resonances on the Sound Spectrum of the Saxophone, <i>W. Li, J.-M. Chen, J. Smith, J. Wolfe</i> . . . . .	270
Spectro-Temporal Characteristics Affecting the Loudness of Technical Sounds: Data and Model Predictions, <i>J. Rennie, M. Wächtler, J. Hots, J. Verhey</i> . . . . .	1145	An Analytical Prediction of the Bifurcation Scheme of a Clarinet-Like Instrument: Effects of Resonator Losses, <i>P.-A. Taillard, J. Kergomard</i> . . . . .	279
Comparison and Fitting of Analytical Expressions to Existing Data for the Critical-Band Concept, <i>F. Völk</i> . . . . .	1157	Physics-Based Analysis of Articulatory Player Actions in Single-Reed Woodwind Instruments, <i>V. Chatziioannou, A. Hofmann</i> . . . . .	292
Effects of Interaural Differences on the Loudness of Low-Frequency Pure Tones, <i>V. Koehl, M. Paquier, E. Hendrickx</i> . . . . .	1168	Regime Change Thresholds in Recorder-Like Instruments: Influence of the Mouth Pressure Dynamics, <i>S. Terrien, R. Blandin, C. Vergez, B. Fabre</i> . . . . .	300
The Effect of Loudness on the Perceptual Representation of Sounds With Similar Timbre, <i>P. Susini, O. Houix, G. Saint Pierre</i> . . . . .	1174	Effect of Changing the Vocal Tract Shape on the Sound Production of the Recorder: An Experimental and Theoretical Study, <i>R. Auvray, A. Ernoult, S. Terrien, P. Y. Lagrée, B. Fabre, C. Vergez</i> . . . . .	317
		The Performance of Bow Changes: Some Mechanical Aspects, <i>M. Demoucron</i> . . . . .	331
		Influence of the Electric Guitar's Fingerboard Wood on Guitarists' Perception, <i>A. Paté, J.-L. Le Carrou, B. Navarret, D. Dubois, B. Fabre</i> . . . . .	347

- On the Characterization of Vibrotactile Feedback in Violinists' Left Hand: A Case Study, *I. Wollman, C. Fritz, J. Frelat* . . . . . 360
- On Perceptual Evaluation of Musical Instruments: The Case of the Violin Put Into Perspective, *C. Fritz, D. Dubois* 369
- Effect of Task Constraints on the Perceptual Evaluation of Violins, *C. Saitis, G. P. Scavone, C. Fritz, B. L. Giordano* 382
- Post-Classification of Nominally Identical Steel-String Guitars Using Bridge Admittances, *H. Mansour, V. Fréour, C. Saitis, G. P. Scavone* . . . . . 394
- Modifying the Resonances of a Xylophone Bar Using Active Control, *H. Boutin, C. Besnainou, J.-D. Polack* . . . 408
- Intensity Key of the Ondes Martenot: An Early Mechanical Haptic Device, *L. Quartier, T. Meurisse, J. Colmars, J. Frelat, S. Vaedelich* . . . . . 421
- Evolution of the Modal Behaviour of Nominally Identical Electric Guitars During the Making Process, *A. Paté, J.-L. Le Carrou, F. Teissier, B. Fabre* . . . . . 567
- Experimental Demonstration of the Modification of the Resonances of a Simplified Self-Sustained Wind Instrument Through Modal Active Control, *T. Meurisse, A. Mamou-Mani, S. Benacchio, B. Chomette, V. Finel, D. B. Sharp, R. Caussé* . . . . . 581
- Analytical Determination of the Attack Transient in a Clarinet With Time-Varying Blowing Pressure, *A. Almeida, B. Bergeot, C. Vergez, B. Gazengel* . . . . . 1026
- The Role of Spectral-Envelope Characteristics in Perceptual Blending of Wind-Instrument Sounds, *S.-A. Lembke, S. McAdams* . . . . . 1039
- Graph Modelling of Musical Wind Instruments: A Method for Natural Frequencies Computation, *G. Le Vey* . . . . . 1222
- **Virtual Acoustics**
- Auralisation of an Urban Soundscape, *S. Harriet, D. T. Murphy* . . . . . 798
- **Auditory Quality of Systems**
- Objective Characterization of Perceptual Dimensions Underlying the Sound Reproduction of 37 Single Loudspeakers in a Room, *P.-Y. Michaud, M. Lavandier, S. Meunier, P. Herzog* . . . . . 603
- An Analysis of the Impact of Playout Delay Adjustments introduced by VoIP Jitter Buffers on Listening Speech Quality, *P. Počta, H. Melvin, A. Hines* . . . . . 616
- **History of Acoustics**
- The Acoustics of Renaissance Theatres in Italy, *S. Weinzierl, P. Savvito, F. Schultz, C. Büttner* . . . . . 632
- **Errata**
- Corrigendum to "Urban Background Noise Mapping: The General Model", *W. Wei, D. Botteldooren, T. Van Renterghem, M. Hornikx, J. Forssén, E. Salomons, M. Ögren* . . . . . 204
- Corrigendum to "Short-Term Annoyance Due to Tramway Noise: Determination of an Acoustical Indicator of Annoyance Via Multilevel Regression Analysis", *A. Trollé, C. Marquis-Favre, A. Klein* . . . . . 205

**A**

F. Agerkvist ..... 650  
C. Alippi ..... 174  
A. Almeida ..... 1026  
N. Alujević ..... 950  
Y. Ando ..... 145  
V. G. Andreev ..... 915  
I. V. Andronov ..... 908  
R. Auvray ..... 317

**B**

F. Bake ..... 24  
S. Banerjee ..... 675  
R. Barham ..... 1007  
J. Baumgart ..... 238  
M. Bednařík ..... 15  
G. Beillard ..... 520  
M. Ben Amor ..... 435  
M. H. Ben Ghozlen ... 435  
I. Ben Salah ..... 435  
S. Benacchio ..... 581  
B. Bergeot ..... 1026  
C. Besnainou ..... 408  
C.-X. Bi ..... 855  
S. Bilbao ..... 155  
R. Binois ..... 520  
Y. Bissessur ..... 877  
S. Blanc ..... 928  
R. Blandin ..... 300  
M. Blau ..... 552  
A. de Boer ..... 690  
S. Boodoo ..... 877  
D. Botteldooren ..... 204  
H. Boutin ..... 408  
D. T. Bradley ..... 181  
S. Brand ..... 675  
E. Brandão ..... 443  
M. K. Brummund .... 775  
M. Bruneau ..... 859  
M. Burtscher ..... 789  
C. Büttner ..... 632

**C**

A. Can ..... 964  
R. Caussé ... 246, 256, 581  
M. Celmer ..... 46  
M. Červenka ..... 15  
J.-H. Chang ..... 99  
J. Chatron ..... 1083  
V. Chatziioannou . 155, 292

J.-M. Chen ..... 270  
S. Chin ..... 1234  
V. S. N. R. Chintapalli . 124  
Y. Choi ..... 134  
I.-M. Choi ..... 134  
S.-H. Choi ..... 920  
B. Chomette ..... 581  
J. Christensen ..... 986  
J. Chung ..... 920  
J. Colmars ..... 421  
J. Cordioli ..... 993  
I. Cossette ..... 224  
J. Cubick ..... 1016  
Y. Cui ..... 863  
J. Czarske ..... 24

**D**

J.-P. Dalmont ..... 246  
T. Dau ..... 1016  
N. Dauchez ..... 520  
M. Debiasi ..... 863  
N. F. Declercq ..... 484  
J. Defrance ..... 474  
S. Degraeve ..... 494  
I. Yu. Demin ..... 915  
M. Demoucron ..... 331  
L. Demri ..... 1052  
B. Depraetere ..... 950  
W. Desmet ..... 950  
C. Diaz ..... 181  
Z. Domazet ..... 950  
A. D'Orazio ..... 174  
D. Dubois ..... 347, 369  
B. Dubus ..... 494  
M. Durai ..... 543  
J.-N. Durocher ..... 1007

**E**

I. Edjekouane ..... 1130  
L. Enghardt ..... 24  
A. Ernoult ..... 317  
O. von Estorff ..... 829  
P. Eveno ..... 246  
S. Ewert ..... 842

**F**

B. Fabre .....  
..... 224, 300, 317, 347, 567  
L. Falek ..... 1052  
T. Fan ..... 55

T. Fedtke ..... 1007  
X. Feng ..... 867  
A. Fiebig ..... 1116  
V. Finel ..... 581  
A. Fischer ..... 24  
N. H. Fletcher ..... 211  
J. Forssén ..... 204  
V. Fréour ..... 256, 394  
T. Francart ..... 1073  
J. Frelat ..... 360, 421  
C. Fritz ..... 360, 369, 382

**G**

B. Gauvreau ..... 964  
B. Gazengel ..... 1026  
M. Genescà ..... 113  
J. Gilbert ..... 941  
B. L. Giordano ..... 382  
J. D. Gonzalez ..... 928  
C. Granger ..... 494  
M. J. Griffin ..... 1199  
G. Grimm ..... 842  
T. Grothe ..... 238  
C. Guastavino ..... 713  
M. Guemini ..... 684  
G. Guillaume ..... 964  
M. Guski ..... 723

**H**

A. Habib ..... 675  
C. C. J. M. Hak ..... 892  
O. Hamdaoui ..... 684  
F. Hammer ..... 190  
Y. Hao ..... 510  
S. Harder ..... 1064  
S. Harriet ..... 798  
D. Haufe ..... 24  
T. Hélie ..... 256  
E. Hendrickx ..... 1168  
S. A. Herff ..... 1094  
P. Herzog ..... 603  
A. Hines ..... 616  
A.-C. Hladky-Hennion 494  
A. Hofmann ..... 292  
V. Hohmann ..... 842  
V. Hongisto ..... 467, 975  
P. Honzík ..... 859  
J. Horáček ..... 594  
M. Hornikx ..... 204, 811  
J. Hots ..... 1145

O. Houix ..... 1174  
M. Hünninger ..... 198

**J**

S. Jørgensen ..... 1016  
P. Jean ..... 474  
C.-H. Jeong ..... 99, 663  
X. Ji ..... 1234  
Q. Jia ..... 642  
X. Jiang ..... 675  
W.-Q. Jing ..... 855  
S. Jung ..... 134

**K**

A. Kacem ..... 1083  
M. Kaltenbacher ..... 811  
J. Kang ..... 73, 510  
K. Kato ..... 743  
K. Kawai ..... 743  
J. Keränen ..... 467  
J. Kergomard ... 279, 1189  
C. Kim ..... 134  
A. Klein ..... 205  
K. Kobayashi ..... 543  
V. Koci ..... 789  
V. Koehl ..... 1168  
S. Köhler ..... 552  
B. Kolbrek ..... 760  
X.-P. Kong ..... 650  
M. Kopp ..... 789  
V. Kovalainen ..... 975  
D. Krijnders ..... 510  
T. B. Krit ..... 915  
A. Kumar Kohli ..... 821  
T. Kundu ..... 675  
M. Kuster ..... 502  
M. Kylliäinen ..... 975

**L**

P. Y. Lagrée ..... 317  
M. Larsen ..... 1064  
S. Laugesen ..... 1064  
M. Lavandier ..... 603  
T. Lavergne ..... 1007  
F. Laville ..... 775  
J.-L. Le Carrou .. 347, 567  
G. Le Vey ..... 1222  
B. K. Lee ..... 1199  
K.-S. Lee ..... 920  
P. J. Lee ..... 1199

- S. Lee ..... 134  
P. J. Lee ..... 73  
A. Lefebvre ..... 1189  
S.-A. Lembke ..... 1039  
A. Lenzi ..... 443  
W. Li ..... 270  
J. Lietzén ..... 975  
K.-M. Lim ..... 531  
S. Lin ..... 37  
H. Lissek ..... 502  
J. Liu ..... 867  
T. Lokki ..... 731  
N. Lopes ..... 256  
P. Lotton ..... 941  
Z. Lu ..... 863
- M**  
A. Madirolas ..... 928  
P. Majdak ..... 1064  
A. Mamou-Mani ..... 581  
H. Mansour ..... 394  
S. Marburg ..... 811  
C. Marquis-Favre ..... 205  
G. Martins ..... 993  
S. McAdams ..... 1039  
H. Melvin ..... 616  
S. Merouani ..... 684  
S. Meunier 603, 1083, 1130  
T. Meurisse ..... 421, 581  
P.-Y. Michaud ..... 603  
M. Mihocic ..... 1064  
V. V. Monakhov ..... 908  
H. P. Monner ..... 62  
M. Möser ..... 5, 668  
J. Mourjopoulos ..... 1185  
D. T. Murphy ..... 798
- N**  
H. Néglise ..... 775  
B. Navarret ..... 347  
B. Nennig ..... 520
- O**  
D. Oberfeld ..... 1105  
M. Ögren ..... 204  
D. Oliva ..... 467  
C. Olivier ..... 941  
K. N. Olsen ..... 1094
- K. J. Opieliński ..... 46
- P**  
C. Padmanabhan ..... 124  
C. Papadakos ..... 1185  
M. Paquier ..... 1168  
Y.-K. Park ..... 134  
J. Parmanen ..... 464  
A. Paté ..... 347, 567  
J. Pätynen ..... 731  
S. Paul ..... 443  
R. R. Paulsen ..... 1064  
R. Paurobally ..... 877  
G. Penelet ..... 941  
E. Perrey-Debain ..... 520  
Y. Petit ..... 775  
M. Pham Thi ..... 494  
M. Pichler ..... 190  
U. Pietsch ..... 675  
C. Plapous ..... 1130  
B. Pluymers ..... 950  
P. Počta ..... 616  
G. Poignand ..... 941  
J.-D. Polack ..... 408  
D. Politzer ..... 1  
E. Ponsot ..... 1083  
I. S. Prario ..... 928
- Q**  
L. Quartier ..... 421  
C. Quinquis ..... 1130
- R**  
B. Rafaely ..... 470  
A. Rai ..... 821  
J. Rennies ..... 1145  
Y. Rezgui ..... 684  
J. H. Rindel ..... 1211  
D. Rodrigues ..... 1007  
G. Ruedl ..... 789
- S**  
G. Saint Pierre ..... 1174  
C. Saitis ..... 382, 394  
E. Salomons ..... 204  
E. Sandermann Olsen 1007  
T. Sankowsky-Rothe .. 552  
P. Sanvito ..... 632
- G. P. Scavone ..... 1189  
G. Scavone ..... 246  
G. P. Scavone 256, 382, 394  
F. Schultz ..... 632  
A. Schulz ..... 24  
J. H. Schutte ..... 690  
G. D. Searchfield ..... 543  
J. Seebacher ..... 789  
T. S. Semerak ..... 829  
F. Sgard ..... 775  
D. B. Sharp ..... 581  
A. Shaw ..... 484  
A. Shelke ..... 675  
Z. Shen ..... 642  
Y. Shen ..... 867  
M. Sinapius ..... 62  
J. Smith ..... 211, 270  
E. Snow ..... 181  
R. Sottek ..... 1116  
J. Steffens ..... 713  
K. Stephan ..... 789  
A. Stirnemann ... 502, 552  
S. Sun ..... 867  
P. Susini ..... 1083, 1174  
J. G. Švec ..... 594  
U. P. Svensson .. 113, 760
- T**  
H. Tahvanainen ..... 731  
P.-A. Taillard ..... 279  
C. Tan ..... 867  
Q. Tao ..... 867  
G. Taraldsen ..... 113  
H. Teffahi ..... 1052  
F. Teissier ..... 567  
S. Terrien ..... 300, 317  
A. Torin ..... 155  
V. Tourbabin ..... 470  
A. Trollé ..... 205
- U**  
K. Ueno ..... 743  
O. Unruh ..... 62, 701
- V**  
S. Vaiedelich ..... 421  
T. Vampola ..... 594  
M. Van Eeckhoutte .. 1073
- T. Van Renterghem ... 204  
J. O. Vasseur ..... 494  
C. Vauthrin ..... 224  
C. Vergez .. 300, 317, 1026  
J. Verhey ..... 1145  
J.-M. Ville ..... 520  
M. Vogel ..... 675  
F. Völk ..... 1157  
M. Vorländer ..... 723
- W**  
M. Wächtler ..... 1145  
Y. Wang ..... 642  
G. Wang ..... 867  
W. Wei ..... 204  
V. Weichbold ..... 789  
S. Weinzierl ..... 632  
R. H. C. Wenmaekers . 892  
F. B. Wijaya ..... 531  
Y. H. Wijnant ..... 690  
M. Willatzen ..... 986  
V. Wittstock ..... 88  
H. Wolf ..... 950  
J. Wolfe ..... 211, 270  
I. Wollman ..... 360  
H. Wörtche ..... 510  
J. Wouters ..... 1073  
J. Wu ..... 55
- X**  
L. Xu ..... 37  
D. Xu ..... 55
- Y**  
Z. Yang ..... 642  
J. Yang ..... 642  
A. Yori ..... 5, 668
- Z**  
X.-W. Zeng ..... 650  
D. Zhang ..... 55  
Y.-B. Zhang ..... 855  
Z. Zhao ..... 863  
G. Zhao ..... 950  
P. Zorowka ..... 789  
T. Zurbrügge ..... 502