Contents

Japanese Flutes and Their Musical Acoustic Peculiarities ............... 1
Shigeru Yoshikawa

Acoustics of the Qin ................................................. 49
Chris Waltham, Kimi Coaldrake, Evert Koster and Yang Lan

Tone Production of the Wurlitzer and Rhodes E-Pianos ............... 75
Florian Pfeifle and Malte Münster

Feedback of Different Room Geometries on the Sound
Generation and Sound Radiation of an Organ Pipe ................... 109
Jost Leonhardt Fischer

Acoustical Modeling of Mutes for Brass Instruments ................. 143
Shigeru Yoshikawa and Yu Nobara

Experimental Approaches to the Study of Damping
in Musical Instruments ............................................. 187
Malte Kob

Comparison of Vocal and Violin Vibrato with Relationship
to the Source/Filter Model ........................................ 201
James W. Beauchamp

Vowel Quality in Violin Sounds—A Timbre Analysis of Italian
Masterpieces .......................................................... 223
Robert Mores

Sound, Pitches and Tuning of a Historic Carillon .................... 247
Albrecht Schneider and Marc Leman

Source Width in Music Production. Methods in Stereo,
Ambisonics, and Wave Field Synthesis ............................ 299
Tim Ziemer
Methods in Neuromusicology: Principles, Trends, Examples
and the Pros and Cons ........................................ 341
Christiane Neuhaus

An Intelligent Music System to Perform Different “Shapes
of Jazz—To Come” ........................................... 375
Jonas Braasch, Selmer Bringsjord, Nikhil Deshpande, Pauline Oliveros
and Doug Van Nort

Explorations in Keyboard Temperaments. Some Empirical
Observations ................................................ 405
Albrecht Schneider and Andreas Beurmann
Studies in Musical Acoustics and Psychoacoustics
Schneider, A. (Ed.)
2017, XII, 444 p. 268 illus., 169 illus. in color., Hardcover
ISBN: 978-3-319-47291-1