

Contents

Editorial notes	7
Acronyms	9
Acknowledgements	11
1. Introduction	17
1.1. Socio-cultural history of Tokyo	17
1.2. The introduction of Western Music	24
1.3. Concert venues in Tokyo, an unexplored field	29
1.4. Goals of this study and delimitation	36
2. Concert Life in Tokyo	39
2.1. The concert life database	39
2.1.1. Motivation	39
2.1.2. Requirements	40
2.1.3. Sources	40
2.1.4. Implementation	44
2.2. Chronological history	44
2.2.1. Early orchestral endeavours, 1868–1904	44
2.2.2. Orchestras appear in the public, 1904–1914	50
2.2.3. Joining efforts, 1914–1923	56
2.2.4. Breakthrough years, 1923–1937	63
2.2.5. Symphony orchestras in wartime, 1937–1945	67
3. Concert Venues in Tokyo	75
3.1. Concert venues before Kantō earthquake	75
3.1.1. The Music Research Institute	76
3.1.2. The Rokumeikan	78
3.1.3. The Hall of the Academy of Music	80
3.1.4. The first Imperial Hotel	86
3.1.5. The Kanda Y.M.C.A	89
3.1.6. The Hibiya Park Bandstand	92
3.1.7. The Imperial Theatre	94
3.1.8. The Nanki Auditorium	99
3.1.9. The Hibiya Park Bandstand	103

3.1.10.	The second Imperial Hotel	106
3.2.	Concert venues after Kantō Earthquake	110
3.2.1.	The Kabuki-za	111
3.2.2.	The Nihon Seinekan	115
3.2.3.	The Asahi Auditorium	118
3.2.4.	The Hibiya Public Hall	121
3.2.5.	The Tokyo Gekijō	127
3.2.6.	The Nippon Gekijō	130
3.2.7.	The Gunjin Kaikan	134
3.2.8.	The Tokyo Takarazuka Theatre	138
3.2.9.	The Yūaku-za	142
3.2.10.	The Kyōritsu Auditorium	145
4.	Room acoustical conditions	147
4.1.	Acoustical evaluation	147
4.1.1.	Computer modelling in room acoustics	148
4.1.2.	The hybrid simulation model	149
4.1.3.	Modelling the geometry	150
4.1.4.	Modelling the audience area	151
4.1.5.	Absorption properties	151
4.1.6.	Modelling the orchestra	153
4.1.7.	Scattering coefficients	154
4.1.8.	Residual absorption	154
4.2.	Room models	155
4.2.1.	The Hall of the Academy of Music	156
4.2.2.	The Kanda Y.M.C.A	159
4.2.3.	The Imperial Theatre	162
4.2.4.	The Nanki Auditorium	165
4.2.5.	The Kabuki-za	168
4.2.6.	The Nihon Seinenkan	171
4.2.7.	The Hibiya Public Hall	174
4.2.8.	The Nippon Gekijō	177
4.2.9.	The Gunjin Kaikan	180
4.3.	Discussion of the room acoustic parameters	183
4.4.	Conclusions	187

5. Three eras of performance venues	189
5.1. Early orchestral concerts	189
5.2. The success-story of the public halls	191
5.3. Adaptation of the worldwide standard	198
Appendices	201
Bibliography	227