

# CONTENTS

|                          |     |
|--------------------------|-----|
| <b>Preface</b> .....     | vii |
| <i>Shigeyuki Okazaki</i> |     |

## Papers

|   |     |
|---|-----|
| <b>Keynote Paper</b><br>日本文化と仏教 JAPANESE CULTURE AND BUDDHISM .....   | 003 |
| <i>上山大峻 Daishun Ueyama</i>  |     |
| <b>Keynote Paper</b><br>INDOORS AND OUTDOORS .....  | 007 |
| <i>Ahmet Eyüce</i>  |     |
| <b>Invited Paper</b><br>ADVANCED SEISMIC DESIGN OF BUILDINGS FOR THE RESILIENT CITY .....   | 013 |
| <i>Akira Wada, Nobuyuki Mori</i>  |     |
| <b>Invited Paper</b><br>TRACING THE ORIGIN OF JAPANESE PAGODAS ALONG THE SILK ROAD .....  | 019 |
| <i>Koji Miyazaki</i>  |     |
| THE ORGANIZATION OF LONG-DISTANCE TRADE AND ITS INFLUENCE ON THE SETTLEMENT<br>TYPOLOGY IN ANATOLIA IN THE OTTOMAN SOCIETY .....                                      | 029 |
| <i>Sezin Tanriover, Hüseyin Tanriover</i>   |     |
| CUBOCTAHEDRON AS A POTENTIAL EVIDENCE OF THE “CULTURAL BRIDGE” BETWEEN KYOTO<br>AND KAYSERI .....   | 035 |
| <i>Hakan Hisarligil</i>   |     |
| TRANSITIONS AND USAGE OF SAWS IN THE EURASIAN CONTINENT: THE COMPARATIVE<br>HISTORY OF THE DEVELOPMENT OF TECHNIQUES AND TOOLS TO CREATE WOODEN<br>ARCHITECTURE ..... | 045 |
| <i>Marcelo Nishiyama, Akira Watanabe</i>  |     |
| CULTURAL EXCHANGE IN THE HISTORY OF ARCHITECTURE .....  | 053 |
| <i>Uzushi Nakamura</i>  |     |
| HIEROPHANIC INFLUENCES ON TIMURID ARCHITECTURE ALONG THE SILK ROAD .....  | 061 |
| <i>Elena Paskaleva</i>  |     |
| A STUDY ON THE SENSE OF DEPTH IN THE VIEW OF ENTSU-JI TEMPLE GARDEN .....   | 069 |
| <i>Noritoshi Sugiura, Miyuki Ami</i>  |     |
| ICE SHELL – CONTEMPORARY “KAMAKURA” .....   | 077 |
| <i>Tsutomu Kokawa, Koji Watanabe, Tohru Watanabe</i>  |     |
| ARCHITECTURAL THEORETICAL EXAMINATIONS OF TYPICAL JAPANESE SPATIAL<br>CHARACTERISTICS IN INTERIOR SPACES OF KYO-MACHIYA TOWNHOUSES .....                              | 085 |
| <i>Takahiko Otani</i>   |     |

|  |     |
|--|-----|
| HISTORICAL STUDY OF SITTING IN JAPAN: WITH "SEIZA" AS MAIN TOPIC .....   | 093 |
| <i>Yusei Tazaki</i>  |     |
| A PHENOMENOLOGICAL APPROACH TO "FOLDINGS" AS SPATIO-TEMPORAL CONTINUITY THROUGH THE MOTIFS OF TURKISH FOLK SONGS AND TURKISH RUGS .....  | 101 |
| <i>Beyhan Bolak Hisarligil</i>   |     |
| CONCEPT OF 'SACRED SPACE' IN TRADITIONAL TURKISH ARCHITECTURE .....  | 109 |
| <i>Murat Dündar</i>  |     |
| TYPICAL MOUNTAIN IMAGE OF TURKISH STUDENTS BASED ON LANDSCAPE MONTAGE TECHNIQUE: THROUGH COMPARISON WITH JAPANESE STUDENTS .....   | 117 |
| <i>Kazuhiko Yanagisawa, Shigeyuki Okazaki, Murat Dündar</i>  |     |
| STUDY ON PREFERENCES AMONG TOURISTS REGARDING THE LANDSCAPE OF FLOWERING CHERRY TREES AT YOSHINOYAMA, NARA PREFECTURE, JAPAN .....   | 125 |
| <i>Junichi Imanishi, Yosuke Harada, Yoshihiko Iida, Ryo Higashiguchi, Yukihiro Morimoto</i>  |     |
| STUDY ON FORMS OF HISTORICAL WEIRS IN JAPAN AS LANDSCAPE ELEMENTS .....  | 131 |
| <i>Shuichi Murakami</i>  |     |
| BELBAR, FROM LIMITATIONS TO OPPORTUNITIES: DISCOVERING THE NATURAL POTENTIALS ...  | 139 |
| <i>Atyeh Ashtari, Faranak Khas Ahmadi, Paya Salem, Mona Tajeddini</i>  |     |
| "THE IMAGE OF THE WORLD" OF THE TRADITIONAL LIVING SPACES IN JAPAN: COMPARING TO THE ONE OF THE DESERT CIVILIZATIONS .....   | 147 |
| <i>Takashi Doi</i>   |     |
| TRENDS OF URBAN DEVELOPMENT PLANS IN HISTORIC AREA IN EAST ASIA .....  | 157 |
| <i>Nobuya Ueda, Shigeki Sugita</i>   |     |
| A SILK ROAD BLUEPRINT: RELIGIOUS KINSHIP AND STATE CONSTRUCTION PROJECTS IN THE DEVELOPMENT OF A NORTHWESTERN CHINESE BORDERLAND, 1912-1946 .....  | 165 |
| <i>Tristan G. Brown</i>  |     |
| CROSS CULTURAL EDUCATION IN ARCHITECTURE: FINDINGS FROM TEACHING INTERNATIONAL STUDENTS TRADITIONAL JAPANESE ARCHITECTURE AND GARDENS .....  | 175 |
| <i>Arno Suzuki</i>   |     |
| ISTANBUL FIRES IN THE 19TH CENTURY: AN ANALYSIS ON ARCHITECTURE AND URBAN PATTERN .....  | 185 |
| <i>Pınar Sunar, Zeynep Ceylanlı</i>  |     |
| THERMAL ENVIRONMENT IN AJANTA CAVES .....  | 193 |
| <i>Tomoko Uno, Yoshiko Shimazdu</i>  |     |
| RESEARCH OF ANTI-FREEZING FOR THE BUDDHIST IMAGE CARVED ON TUFF CLIFF BY CLOSING SHELTER .....   | 201 |
| <i>Masayuki Morii</i>  |     |
| THEORETICAL AND HISTORICAL PERSPECTIVES IN DESIGN, INNOVATION AND POLICIES ...   | 207 |
| <i>Elçin Tezel</i>   |     |
| NATURAL VENTILATION AROUND OPEN GROUND FLOORS WITH PILOTIS IN HIGH-RISE RESIDENTIAL BUILDINGS IN TROPICAL AREAS: HARMONIZATION OF MODERN AND TRADITIONAL HOUSING IN TROPICAL AREAS ..... | 217 |
| <i>Abdul Razak Sopian, Noor Hanita Abdul Majid, Shuichi Hokoi</i>  |     |
| EVOLUTION OF TIMBER CONSTRUCTION IN TURKEY .....   | 225 |
| <i>Görün Arun</i>  |     |

|   |     |
|---|-----|
| SEISMIC PERFORMANCE AND REINFORCEMENT OF JAPANESE HIGH-RISE BUILDINGS FACING SUBDUCTION EARTHQUAKES: E-DEFENSE SHAKE TABLE TEST .....           | 233 |
| <i>Takuya Nagae, Masayoshi Nakashima</i>  |     |
| THE 2011 VAN EARTHQUAKES OCURRED IN TURKEY .....  | 243 |
| <i>Baris Denizer, Takuya Nagae</i>  |     |
| SUSTAINABLE SOCIETY: ENERGY SAVING CONSTRUCTION .....   | 251 |
| <i>Shushi Sugiura</i>   |     |
| A STUDY OF THE LANDSCAPE AT THE WANG RIVER VILLA THROUGH ANALYSIS OF THE POEM "DEER PARK" BY WANG WEI .....                                     | 257 |
| <i>Akira Tanaka</i>   |     |
| STUDY ON THE SOUNDSCAPE OF THREE JAPANESE GARDENS .....   | 263 |
| <i>Haruyoshi Sowa</i>   |     |
| A STUDY OF THE SIGNIFICANT INFLUENCE BY "SHIN-BUDDHISIM" TO THE TRUELY ORIGINAL JAPANESE CRAFTS DESIGN .....                                    | 269 |
| <i>Satoru Kiyosawa</i>  |     |
| A BREIF SURVEY ON THE PRINCIPLES OF IRANIAN ISLAMIC ARCHITECTURE .....  | 277 |
| <i>Bahareh Hosseini, Atefe Zand Karimi</i>  |     |
| ORIGINALITY OF CENTRAL COLUMN IN JAPANESE PAGODAS .....   | 285 |
| <i>Fumie Ooi</i>  |     |
| LINKING ROUTES FROM THE SILK ROAD THROUGH NEPAL – THE ANCIENT PASSAGE THROUGH MUSTANG AND ITS IMPORTANCE AS A BUDDHIST CULTURAL LANDSCAPE ..... | 293 |
| <i>Susanne von der Heide</i>  |     |
| THE SPIRITUAL JOURNEY: A STUDY OF THE SPATIAL ATTRIBUTES FOUND BETWEEN CAR PARK AND INNER SHRINE .....  | 301 |
| <i>Luke A. Chalmers</i>   |     |
| <b>iaSU2012 JAPAN Committees</b> .....  | 309 |
| <b>Financial Supporters</b> .....   | 311 |