

## Subject Index

- A**
- Acid precipitation, 95  
 Air treatment, hot, 161  
 Alaska, Sitka National Historic Park, 255  
 Algae, 107  
 Antarctica, 269  
 Authenticity, Sodankylä Old Church restoration, 131
- B**
- Balloon framing, 224  
 Barn, 153  
     medieval English, 176  
     timber garner, Lithuania, 107  
 Beam and post, 3  
 Birch bark, 131  
 Bitumen felt, 131  
 Borates, 255  
 Bore cut technique, 255  
 Braced framing, 224  
 Bridges, 153  
 Bridget Smith House, 239  
 British standard, 176  
 Bullet method, 41
- C**
- Charles Arnold House, 224  
 Chemical treatment  
     "La Lonja" building, 188  
     totems, 255  
 Church of the Intercession of the Holy Virgin (Pokrova Bogoroditsy Sobor), 25  
 Church of the Transfiguration (Preobrazhenskaya Tserkva), 25, 41, 61, 66  
 Climate conditions, 79  
     Antarctic timber hut, 269  
     Church of the Transfiguration, 41  
     Estonia Open Air Museum, 95  
     *Coniophora puteana*, 116  
     Conservation monitoring, 269  
     Conservation strategy, 176, 205  
     wooden garner, 107  
     Construction forms and methods, 3
- D**
- Damage diagnosis, 79, 107, 188  
 Danish Preservation of Buildings Act, 161  
 Defibering, 269  
 Deformations, 176  
     Church of the Transfiguration, 41  
 Denmark, heritage structures, 161  
 Drainage, site, 95  
 Dry rot, 161
- E**
- Electric resistance method, 41  
 English barn, medieval, 176  
 Erosion, 269  
 Estonian Open Air Museum, 95
- F**
- Finland, Sodankylä Old Church, 131  
 Fluoride, 107  
 Folk culture, Estonian Open Air Museum, 95  
 Foundation components, 224  
 Framing, 205  
     floor, components, 224  
     style, 153  
 Freeze-thaw, 269  
 Fungi, 79, 95, 107  
     Antarctica historic hut, 269  
     Church of the Transfiguration, 41  
     Danish buildings, 161  
     "La Lonja," Spain, 188  
     totem poles, Alaska, 255  
     St. Nicholas Church, Russia, 116

**G**

Gamma ray method, 41

**H**

Haida, 255  
 History, timber construction, 3  
 Hot air treatment, 161  
 Houses, 153  
     history, timber construction, 3  
     hut, 269  
     posts, 255  
 Hut, historic timber, Antarctica, 269  
 Hydro-thermal monitoring, 41

**I**

In-kind restoration, 153  
 Insects, 79, 107, 205  
     Church of the Transfiguration, 41  
     "La Lonja" building, 188

**J**

Julia Sprigg House, 22

**K**

Kizhi Pogost, 25, 41, 61, 66  
 Kovda ensemble, 116  
 Kurdika, Vincas, 107

**L**

Lake Onega, State of Karelia, Russia, 25, 41, 61, 66  
 Lichens, 107  
 Light microscopy, 41  
 Lincoln Home National Historic Site, 224  
 Lithuania, Paezeriai wooden garner, 107  
 Load-bearing capacities, 224  
 Loading, mechanical, 41  
 Loading, wind, 269  
 Log structures, decay, 61, 79, 131  
 Log structure/steel frame interaction, Church of the Transfiguration, 61

**M**

Maloney-Bridget Smith House, 239  
 Maritime climate effects, Estonian Open Air Museum, 95  
 Mechanical loading, Church of the Transfiguration, 41  
 Microwaves, 161  
 Mildewicide, 255  
 Miners cottage, 239  
 Missouri plantation, White Haven, 205  
 Modeling, structural, 269  
 Moisture content, wood, 79, 107  
 Mold, 95  
 Monitoring  
     conservation, 269  
     deformation, Church of the Transfiguration, 41  
     wood condition, microbiological, 107  
     wood condition, Church of the Transfiguration, 41

**N**

Nails, handmade, 131  
 National Board of Antiquities, Finland, 131  
 Natural wood conservation, 95, 116  
 New Jersey miners cottage, 239

**P**

Pentachlorophenolate, 255  
 Pentachlorophenol, 107, 255  
 Philosophy, preservation, 239  
 Photometric method, 61  
 Phototheodolite, 61  
 Pogost ensemble, 25, 41, 61, 66  
 Pollution effects, wooden buildings, 95  
 Polyethylene glycol, 107  
 Prehistoric timber construction, 3

- Preservation  
   challenges, Antarctic timber hut, 269  
   challenges, Lincoln Home National Historic Site, 224  
   philosophy, 239  
   strategies, 95, 107, 153
- R**
- Radio waves, high frequency, 161  
 Renovation, Missouri plantation, 205  
 Repairs, 176  
   Kizhi Pogost churches, 25, 41, 61, 66  
   log structures, 79  
   medieval barn, 74  
   Missouri plantation, 205  
   Sodankylä Old Church, 131  
   wooden garner, 107  
 Restoration  
   challenges, Lincoln Home National Historic Site, 224  
   Kizhi Pogost, 25, 41, 61, 66  
   Sodankylä Old Church, 131  
   strategies, 64, 116, 161, 176  
 Roofs  
   framing components, 224  
   iron-clad, 25  
 Russia  
   Kizhi Pogost, 25, 41, 61, 66  
   Murmansk, St. Nicholas Church, 116
- S**
- St. Nicholas Church, 116  
 Salts, 269  
 Sea Consulate, Valencia, Spain, 188  
*Serpula lacrymans*, 116  
 Serviceability, Church of the Transfiguration, 66  
 Shingles, carved, 131  
 Site drainage, 95  
 Snow accumulation, 269  
 Sodankylä Old Church, 131  
 Sodium borate, 255  
 Spain, Valencia, "La Lonja" building, 188  
 Spatial systems, modern, 3  
 Stability, Church of the Transfiguration, 61, 66  
 Stabilization, carbon fiber, 205  
 Stabilization, original wood, 107  
 Steel farm interaction, log structure, 61, 66  
 Stereometric benchmark, 61  
 Strength, Church of the Transfiguration, 66  
 Structural capability, 188  
 Structural integrity, 205  
 Sussex, England, barn, 176
- T**
- Temperature regulation, 95  
 Temperierungssystem, temperature regulation system, 95  
 Termites, "La Lonja" building, 188  
 Timber engineering, 3, 205  
 Timber structural elements, 188  
 Tlingit, 255  
 Totem poles, 255  
 Totem Preservation Conference, 255  
 Traditional construction techniques, 131  
*Trichoderma viride*, 116  
 Trusses, roof system, 153  
 Tserkva Pokrovskaya, 61  
 Tserkva Preobrazhenskaya, 25, 41, 61, 66
- U**
- UNESCO, 61

V

Valencia, Spain, "La Lonja"  
building, 188

W

Wall framing components, 224

Wet rot, 161

White Haven plantation,  
Missouri, 205

Wind loading, 269

Wood condition, Kizhi Pogost,  
41

Wooden garner, 107

Wood tar, 131