

1. Record Nr.	UNINA9910824683203321
Autore	Zwerger Klaus <1956->
Titolo	Wood and wood joints [[electronic resource] ] : building traditions of Europe, Japan and China // Klaus Zwerger ; with a foreword by Valerio Olgiati
Pubbl/distr/stampa	Basel, : Birkhauser, 2012
ISBN	3-0346-1267-2
Edizione	[2nd., rev. and enlarged ed.]
Descrizione fisica	1 online resource (319 p.)
Altri autori (Persone)	OlgiatiValerio <1958->
Disciplina	691.1 694.2094 694/.2/094
Soggetti	Timber joints Building, Wooden - Europe Building, Wooden - Japan
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous edition: 1997.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foreword by Valerio Olgiati; Introduction; The Material; The Properties of Wood; Species of Wood; Working with Wood; Uses; The Carpenter; The Carpenter's Tools; Forms of Construction; Types and Functions of Wood Joints; Typology; Classification Systems in the Literature; Limits to the Classification Systems; The Functions of Wood Joints; Wood Joints and Their Evolution; The Role of the Tool; Building Tasks and Their Solutions; Log Construction; Column-and-Beam Construction; Roof Construction; The Influence of Climatic Conditions; Abundance and Scarcity of Timber Wood Joints as an Expression of Aesthetic Values The Visible and the Invisible; Protection and Prestige; Construction and Decoration; Structural Timber Construction in China; Building Methods: Log Construction and Column-and-Beam Construction; Structural Wood Preservation: Raised Platform and Cantilevered Roof; Choice of Materials; The Structure and Construction of Temple Buildings; The Construction Principles of Bracket Complexes; Dougong; The Economics of Construction; Bibliography; Acknowledgements; Index of Persons and Buildings; Index of Places; Subject Index

## Sommario/riassunto

Building with wood as an ecologically viable material is a tradition with a long history. The timber architecture which has ensued over the past centuries reveals to the modern observer the depth of knowledge which has enabled both Eastern und Western cultures to use this wonderful material in such a creative way. In the most typical method of building with wood, elements are connected by using wood joints which do not require the assistance of adhesives or metal connectors. This art of wood jointing reached its zenith in Japan; but Europe too provided its share of highly influential forms. By

---