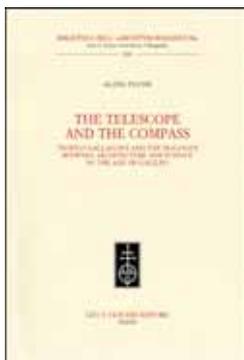


ALINA PAYNE  
**THE TELESCOPE AND THE COMPASS**  
TEOFILO GALLACCINI AND THE DIALOGUE  
BETWEEN ARCHITECTURE AND SCIENCE  
IN THE AGE OF GALILEO

Teofilo Gallaccini's (1564–1641) œuvre represents a nearly intact personal archive pertaining to the sciences, architecture and the arts, as well as history, anatomy and letters. The very amount and heterogeneity of the material provides a unique snapshot of how diverse areas of knowledge communicated at a significant moment of transition: between the Renaissance and the Baroque in the arts, or, from the perspective of the sciences, on the eve of the Scientific Revolution. Following these threads, this book examines Gallaccini's thought against the panorama of contemporary events and issues with



which he interacted closely: the astronomical discoveries and condemnation of Galileo in Counter-Reformation Rome; the growing interest in mechanics, motion and engineering; the rise of a Baroque sensibility in the arts; the deep-felt need of eloquent representation techniques across disciplines; and the culture of manuscripts and oral intellectual sociability in the age of the printed book. A «go-between» milieu and disciplines, Gallaccini illuminates the nature of intellectual labor and its sites: the university, the academy, the princely court and the isolated haven of the private library.

*L'opera del poligrafo senese Teofilo Gallaccini (1564-1641) costituisce un archivio privato pressoché integro riguardante le scienze, l'architettura e le arti, la medicina e le lettere. L'autrice esamina il suo pensiero sullo sfondo degli eventi contemporanei e le tematiche con cui interagì – dalle scoperte astronomiche di Galileo al dibattito artistico nella Roma di Urbano VIII e Alessandro VII. Ingegno poliedrico, Gallaccini getta luce sul lavoro intellettuale e i suoi ambiti all'alba della Rivoluzione scientifica.*

Alina Payne is Professor of History of Art and Architecture at Harvard University. She is the author of *The Architectural Treatise in the Italian Renaissance* (Cambridge University Press, 1999), *Rudolf Wittkower* (Bollati-Boringheri, 2010) and *From Ornament to Object. Genealogies of Architectural Modernism* (Yale University Press, 2012), editor of *Displacements. Architecture and the Other Side of the Known* (Toronto 2000) and co-editor of *Antiquity and Its Interpreters* (Cambridge University Press, 2000). She has held visiting appointments at Villa I Tatti (Florence), Kunsthistorisches/Max Planck Institut (Florence), École Pratique des Hautes Études (Paris) and Hertziana/Max Planck Institute (Rome). She is the holder of the Max Planck and Alexander von Humboldt Prize in the Humanities (2006-11).

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The NA58 experiment, or COMPASS (standing for "Common Muon and Proton Apparatus for Structure and Spectroscopy") is a 60-metre-long fixed-target experiment at the M2 beam line of the SPS at CERN. The experimental hall is located at the CERN North Area, close to the French village of Prévessin-Moëns. The experiment is a two-staged spectrometer with numerous tracking detectors, particle identification and calorimetry. The physics results are extracted by recording and analysing the final states of the