



# Library events

TITLE: **Book presentation: “Classical Mechanics: A professor–student collaboration”**

DATE: 4 Nov 2020, 16:00

Join us at 4 pm: <https://cern.zoom.us/j/91772942824?pwd=MWxQQldrjVcEhCdUkyamtFSlZlZ09>

## ABSTRACT

*Classical Mechanics: A professor-student collaboration* is a textbook tailored for undergraduate physics students embarking on a first-year module in Newtonian mechanics.

This book was written as a unique collaboration between Professor Mario Campanelli and students that attended his course in Classical Mechanics at University College London (UCL). Taking his lecture notes as a starting point, and reflecting on their own experiences studying the material, the students worked together with Prof. Campanelli to produce a comprehensive course text that covers a familiar topic from a new perspective.

All the fundamental topics are included, starting with an overview of the core mathematics and then moving on to statics, kinematics, dynamics and non-inertial frames, as well as fluid mechanics, which is often overlooked in standard university courses. Clear explanations and step-by-step examples are provided throughout to break down complicated ideas that can be taken for granted in other standard texts, giving students the expertise to confidently tackle their university tests and fully grasp important concepts that underpin all physics and engineering courses.

“Classical Mechanics - a professor-student collaboration”, ed. by Mario Campanelli, with contributions by Antonio d'Alfonso del Sordo, Camilla Tacconis, Enrico Caprioglio, Lodovico Scarpa, Muhammad Tayyab Shabbir, Sheila Maria Perez Garcia, IOP, 2020, ISBN 978-0-7503-2688-9.