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## Preface to the 3<sup>rd</sup> revised edition

This textbook aims to help students taking courses taught in English at CTU, Faculty of Mechanical Engineering, in their studies of one of the most important, and, at the same time, most difficult engineering subjects. This course will be taken not only by foreign students (speaking good English and knowing English technical and mathematical terms), but also by Czech students intending to improve their English while studying a professional subject (perhaps with a view to continuing their studies abroad).

This textbook, entitled "Strength of Materials II", links up with "Strength of Materials I" (published 2011), and is intended as support material for the 2<sup>nd</sup> course on "Strength of Materials". Much of the textbook is devoted to a description or characterization of problems, especially in the first part of each chapter. We have had an opportunity to increase the length of the textbook in this 3<sup>rd</sup> revised edition, and we decided to add: i) some important explanatory notes to help the reader to penetrate into the substance of problems; ii) several appropriate examples, showing optimum solutions. In accordance with the ISO recommendations, the author (largely) uses $[N/mm^2]$ units, instead of  [MPa] (which were formerly also applied for the stresses exerted in solid objects, now used for the pressures in liquids and gases).

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