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## High pressure devices: Design, performance & applications

*Thursday, 26 April 2018 09:45 (20 minutes)*

In this talk I will give an introductory review of high pressure devices covering pressures in the range 0.1-100 GPa (1 kbar-1 Mbar) and corresponding sample volumes of approximately  $10^4$ - $10^{-3}$  mm<sup>3</sup>. I will illustrate typical applications of these devices in material research, in particular at large-scale user facilities, and discuss advantages and their limitations. If there is time, potential science applications using ion irradiation of samples under pressure will be discussed.

**Primary author:** Dr KLOTZ, Stefan (Université P&M Curie)

**Presenter:** Dr KLOTZ, Stefan (Université P&M Curie)

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