Title:
New insights into diamond mineralogy, geochemistry and petrology

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Text
Diamond is a unique mineral that has formed in Earth's mantle over a great depth (between 120/130 and even 1000 km depth) and time interval (dating as far back as about 3.5 Gy). As such, accurate knowledge of diamond mineralogy, geochemistry and petrology can yield unique insights into the formation of our planet and its evolution over geological time. In this session, we invite contributions from all disciplines related to diamond research including, but not limited to, state-of-the-art analyses on natural diamonds and associated minerals and rocks, studies on synthetic diamonds, experimental constraints on conditions and processes of diamond formation/destruction as well as theoretical investigations of diamond properties.