**Author Guidelines for the Preparation of Aabstract of RocDyn-4**

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**Abstract.** The abstract is a mandatory element that should summarize the con­tents of the paper and should contain at least 150 and at most 300 words. 10 point font size should be used in the abstract and keywords. No academic titles or descriptions of academic positions should be included in the addresses. Either this information should be omitted altogether (preferably), or it should be included in a footnote at the end of the first page. Information of this nature, given in the addresses, will be deleted by our typesetters.

**Keywords:** rock dynamics; rock burst; numerical modelling