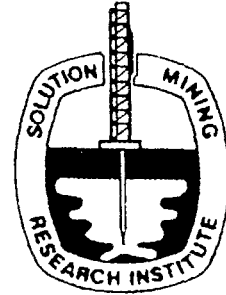


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**MEETING
PAPER**



**Analysing Cavern Geometry
Development Based on Sonar
Measurements
from the Point of View
of Geological Deposit Structure**

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Abstract

Processing the results of measurements carried out by OBR GSChem. (Research & Development Centre for Mining Chemical Raw Materials) CHEMKOP with the help of a sonar (ECHOSONDA) is not limited to standard interpretation. Using the broad basis of data concerning cavern location, shape and dimensions in subsequent exploitation stages as well as home-developed computer programs, the results of subsequent measurements are compared and cavern shape is correlated with the geological profile of the exploitation borehole. As a result, changes in cavern geometry and its dependence on the geological deposit structure are determined. Evolution of cavern shape in later exploitation stages is also predicted.

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