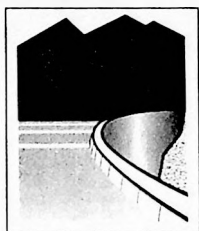


International Workshop on  
**DAM SAFETY  
EVALUATION**

Grindelwald, Switzerland, 26-28 April 1993

Sponsored by the international journal  
***Dam Engineering***



Co-sponsored by the  
***International Commission on Large Dams***



**VOLUME 3**

**SESSION 9**

Edited by  
H. Kreuzer, R. Dungar  
and R. Taylor

© Copyright: Dam Engineering,  
1993

Quadrant House, Sutton, Surrey,  
SM2 5AS, United Kingdom

Fax: +44 (0)81 770 9982  
Tel: +44 (0)81 770 9972

# INDEX: VOLUME 3

## Session 9: Reliability and risk assessment

- 1        Ş Ionescu and D Stenatiu - A probabilistic approach for defining certain design loads with significant contribution in dam safety evaluation
- 13       J van der Spuy, C Oosthuizen and H Elges - Reassessment of the safety of, and remedial measures taken at, the Calitzdorp dam in South Africa
- 25       H Marengo M. - Risk of failure analysis in a rockfill dam using bounded probability distributions with emphasis on failures by overtopping
- 37       G D McLeod - Application of consequence based dam safety criteria, Wahleach dam, Canada
- 49       H Kreuzer and K Bury - The effect of distribution bounds in reliability-based safety evaluation
- 55       G M Salmon and G R von Hehn - Consequence based dam safety criteria for floods and earthquakes
- 63       I Gresz - Analysis of structure surveillance data by the 'Garin' method
- 71       G Ruggeri, P Bonaldi, M Fanelli, G Giuseppetti and G Mazzà - Considerations about dam safety

## Additional Workshop papers: Monitoring

- 77       M Koester and R Wolff - Monitoring of rock deformations using optical fibre sensors
- 99       W Dobosz - From monitoring to dam safety evaluation