

Administrative report: JTC1 - Landslides and engineered slopes

Compte rendu sur la CTJ-1

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1 MEMBERSHIP

Chairman:	Professor Robin Fell
Secretary:	Dr. Kurt Douglas
Core Members:	Professor Oldrich Hungr Mr. Eric Leroi Professor Eddie Bromhead Professor Luciano Picarelli Mr. H.N. Wong Professor Christophe Bonnard Dr. William Savage Mr. Garry Mostyn
Members	Professor Willy Lacerda Professor Milton Kanji Dr. Robert Schuster Dr. George Illov Dr. Amod Sagar Dhakel Dr. Jean Louis Durville Prof Herbert Einstein Dr. Hiroyuki Nakamura Professor A.M. Demin Dr. Réjean Couture Professor Mihail Popescu Professor Faquan Wu G. Simon Dr. Alexander Strom Dr. Cees J. Van Westen Dr. Jordi Corominas Dr. Lars H. Blikra Jacob Ojeda Moncayo Dr. Zuyu Chen Dr. -Ing. Stanislav Novosad Juan Montero-Olarte Professor Serge Leroueil

2 TERMS OF REFERENCE

The committee is responsible for

- Discussing, advancing and developing the science and engineering of landslides and engineered soil and rock slopes.
- Encouraging the collaboration of those who practise in soil mechanics, rock mechanics, engineering geology, mining engineering, geomorphology and geography; as applied to landslides in natural and engineered slopes.

- Fostering and organising Conferences, Symposia and Workshops, including the International Symposia on Landslides, which are held at four year intervals.
- Contributing to the International Congresses/and Conferences of the ISSMGE, IAEG and ISRM.
- Fostering the development, and implementation into the community, landslide hazard identification, monitoring, modelling, risk assessment techniques, risk tolerance criteria, and landslide risk management.
- Fostering the organisation of training schools, and preparation of guidelines, and codes of good practice to allow the transfer and implementation into general practice of new developments.

3 EXECUTIVE SUMMARY

JTC-1 was established in May 2002 as a Joint Technical Committee of the ISSMGE, IAEG and ISRM.

The committee has met twice – May 2003 in Naples; and June 2004 in Rio de Janeiro. The third meeting is scheduled for Monday, 30th May 2005 in conjunction with the International Conference on Landslide Risk Management.

The committee has as a major focus the organisation of the International Symposia on Landsliding (ISL), which are held every four years. The committee worked with the Brazilian organising committee chaired by Professor Willy Lacerda, to organise ISL 2004 which was held in Rio de Janeiro in June 2004. The symposium had a satisfactory attendance, although attendance from countries outside South America was a little disappointing. Notable was the large attendance of students (96). The committee chose Xian, China as the venue for ISL 2008 from proposals from China, France and the USA. Professor Chen Zuyu is leading the organising committee.

JTC-1 has been active in organising an International Conference on Landslide Risk Management, which is to be held in Vancouver, Canada from 31st to 2nd June.

The Conference is being organised by the Vancouver Geotechnical Society, working with a sub-committee of JTC-1 and TC32 members. The conference organising committee includes JTC-members Professor Oldrich Hungr, Dr. Rejean Couture and Professor Robin Fell.

The Conference is structured around 8 State of the Art papers, which form a comprehensive coverage of the topic. The proceedings are being published by Balkema.

JTC-1 is planning a workshop on the Mechanics and Prediction of Velocity of Very Large Landslides, to be held in Italy in 2006; and is considering the possibility of workshops on travel distance and velocity modelling; and instability of partially saturated slopes. JTC-1 is also planning to contribute to the IAEG Congress to be held in Nottingham, U.K. in 2006. Professor Eddie Bromhead is liaising with the Congress organisers regarding our contribution.

4 REPORT ON TERMS OF REFERENCE

The following relates to the terms of reference in Section 2.

TOR (a) and (b). We are addressing these objectives through the International Symposia on Landslides held in 2004, 2008, the International Conference on Landslide Risk Management, and workshops. We work towards ensuring these events involve all the Geotechnical disciplines. A list of papers for ISL 2004 and ICLRM is attached (TOR c).

TOR (d). We have chosen not to actively contribute as a committee so far to the ISSMGE Congress in Osaka, or to planned ISRM Congresses. This is because of our multidisciplinary ISL; and a preference to concentrate on Conferences and Workshops on Specialised topics.

TOR (e). JTC-1 under the chairmanship of Professor Robin Fell has worked actively to promote the use of landslide risk and hazard assessment. The ICLRM in Vancouver is a direct result of this focus. It is expected that it will remain one of the areas of focus in the future.

TOR (f). We have not achieved a lot in this regard. The active JTC-1 members have put a lot of energy into the ISL and ICLRM, and we plan to direct more of our efforts to training schools in the future.

5 CONCLUSIONS AND SUGGESTIONS FOR FURTHER WORK AND DEVELOPMENT OF JTC-1

(a) JTC-1 has been an active committee, given it was only formed 3 years ago. The committee has an on-going role in planning and assisting in the organisation of the ISL. However to be successful, it will need to maintain a regular stream of workshops specialised conferences and symposia, and get involved in training.

(b) Only about half to two thirds of the committee members are active and the International societies need to devise a means of turning over the membership so the committee can reach its potential. I will step down as chair in 2006, and strongly encourage the International Society presidents to appoint the new chair from within the very able and active members of JTC-1.

A regular turn-over of the chair will ensure a vigorous committee, with new ideas and initiatives.

(c) The strengths of the committee's work are currently mostly in Geotechnical Engineering and Engineering Geology, with a lesser emphasis on Rock Mechanics. The committee would benefit by having more rock mechanics oriented members, who could encourage greater liaison with ISRM activities.

There are geographic weaknesses – no members from Africa, few from Asia, and some significant European countries.

(d) JTC-1 reports to the three International geotechnical Societies. This has not been a difficult task with modern communications. However it does make it impractical to attend meetings of Technical Committee chairs for each of the societies.