

JTC 3 – Education and Training

Report: 29 April, 2024

By: D. Jean Hutchinson, Ph.D., P.Eng., FEIC, FCAE - Chair JTC3

The first meeting of JTC 3 was held on March 20, 2024 via zoom.

In attendance were:

Chair: D. Jean Hutchinson (Canada)

Michele Calvello (ISSMGE, Italy)

Natália Correia (IGS, Brazil)

Ranjan Kumar Dahal (IAEG, Nepal)

Vassilis Marinos (IAEG, Greece – joined during the 2nd hour)

Ki-Bok Min (ISRM, Korea)

Tatiana Rotonda (ISRM, Italy)

Kuroschi Thuro (IAEG, Germany)

Regrets:

Gretchen Bohnhoff (ISSMGE, USA)

Not in attendance:

Vojkan Jovičić (ISRM, Slovenia)

António Topa Gomes (ISSMGE, Portugal)

Discussion Points:

JTC3 membership

The JTC3 can include 2 additional IGS members, as well as 6 members at large. We currently have no representatives from Africa and Australasia. We are seeking nominations for some additional members, with the objective of broadening the international representation – at the moment we have no representatives from Africa or Australasia. We would also value some additional nominees who are women – the committee currently comprises 36% women. Please send contact information for any potential nominees to Dr. Jean Hutchinson – hutchinj@queensu.ca

Review of each International organization's work on Education and Training

The committee members provided an overview of the work that each FedIGS member society is already doing to support Education and Training within their membership. There are excellent resources available from several of the groups, including for example: training courses made available by IGS and funding for Early Career

members of the ISRM to travel to attend an Early Career Forum. A list of resources with links to the publicly available content on each society's web pages will be generated to guide those interested in Education and Training.

Discussion of potential Committee Activities

The Goal of the JTC3 was discussed. The committee determined that the statement of the goal should be broadened to include education and training opportunities that would be of interest to industrial partners in addition to academics and students. The new goal statement is currently under consideration by the committee.

The group discussed potential activities to be undertaken by the Committee during the 4 years of our mandate. A key initial deliverable will be the development of a web page for the JTC3, which is expected to be hosted via the IAEG. *(I am in communication with IAEG web person for this.)*

Further discussion of potential JTC3 projects will be continued at our next meeting, with the goal of creating a list of our objectives. However initial thoughts include:

- generating guidelines for course content in each discipline including minimum knowledge requirements;
- focusing on training educators at Universities, to support their knowledge and curriculum development;
- developing and delivering of field-based workshop to expose participants to projects that bring multiple topics together to support them in developing teaching materials and case history content;
- creating short videos for the web page related to what each society is doing with regard to Education and Training to raise awareness and provide resource materials;
- generating a list of topics that would be of interest to JTC3 societies to generate joint conference sessions or for publications;
- defining need for online courses at different levels, but generally reliant on some level of previous knowledge and understanding of the topic and either deliver in video form or provide materials for others to use to facilitate the training;
- inclusion of JTC3 sessions or workshops at conferences (e.g. 2027 ISRM Congress in Seoul) with topics of mutual interest; and
- development of student competitions at conferences integrating JTC3 topics of interest.

The committee plans to meet quarterly.

Additional thoughts since the March meeting:

Potential projects:

Provision of linkage to courses / materials in support of attraction and retention of women in FedIGS professions.

Workshops / training for Stakeholder engagement and communication with the public: with focus on resource projects, natural hazard emergency response, etc.

In countries where relevant, considering the outcomes of truth and reconciliation processes with first nations / indigenous peoples.

In preparation for the web page –

Will request a photo, details of name, job title and affiliation, company web site link (if you wish), which international society and region you are representing, and a brief statement of your interest in JTC3.

Development of list of useful links for JTC3 members:

<https://www.nzgs.org/libraries/education-of-the-next-generation-of-geotechnical-and-engineering-geology-professionals-in-australia-and-nz/>

In preparation for workshops / conferences –

Need to develop guidelines for proposing, evaluating and deciding on JTC3 activities.

Potential joint JTC1 / JTC3 event proposed by Ross Roberts, New Zealand.

New members:

Eleni Gkeli, NZ, ISRM

Christoph Kraus, NZ, IAEG, YP

Martin Brook, NZ, IAEG

Charles MacRobert, South Africa, member of TC306 ISSMGE