

## **Minutes of the November 22, 2012 EDTF – NME Subgroup meeting**

Room 206, 40 Sheppard Ave. West, Toronto

**Participating:** Yuri Kuzyk (t/c), Peter DeVita (t/c until 5:00pm), Roger Jones, Gerry Margaritis (t/c), Laura Deakin (t/c from 4:45pm), Jordan Max (staff advisor)

**Regrets:** John Yeow, Corneliu Chisu, Alana Lavoie, Marios Ioannidis, Brian Haydon

The meeting started at 4:00 p.m. (Quorum present when Laura joined)

### **1. Review of agenda**

The agenda was reviewed, and two items (NanoOntario Conference report and NME National Syllabus report) were added. Motion to approve the amended agenda: Peter/Yuri. Motion was approved, subject to quorum confirmation.

### **2. Review of September 13, 2012 minutes and follow up on action items**

The September 13, 2012 minutes were reviewed and accepted as accurate (formal adoption is pending quorum). Motion to approve: Yuri/Peter. Motion was approved, subject to quorum confirmation.

Regarding the follow up on action items, Jordan reported that he had inserted Roger's submission on Nanomachines into section 2. There were no other followup action items.

### **3. NanoOntario Conference report**

Gerry reported on the recent (October 11) NanoOntario Conference, which was held at the University of Waterloo, and which he and Brian attended. There were over 200 attendees, mostly graduate students, and most of the presentations were academic research papers. One of the more interesting presentations were by Linda Nazar, on the subject of sulphur-based electrical storage batteries, and Arthur Carty, Executive Director of the Waterloo Institute for Nanotechnology at the University of Waterloo. It was recommended that the issue of battery storage be added to section 4 of the Phase 2 report (with Nanomachines under a new heading of "Future Trends"). It was also noted that reference should be made to OSPE's Energy paper as noted in the CIE report.

**Actions:** **Jordan** to post the NanoOntario conference website link on Central Desktop. **Gerry** to provide the contact information for Arthur Carty as a possible reviewer of the Phase 2 report. **Gerry** to request the opportunity to present the NME Phase 2 report at the next NanoOntario conference in 2013. **Roger** to write a brief description on storage for

section 4 of the Phase 2 report. **Jordan** to add to the NME Phase 2 report a reference to the OSPE Energy paper as found in the CIE Phase 2 report.

#### 4. NME National Syllabus Task Force report

Gerry provided an update on the task force's work. They are currently drafting syllabi, which will be submitted to the CEAB Syllabus Committee and to provincial/territorial licensing bodies for comment. There will likely be mandatory and optional courses in the draft NME syllabus, and references to specific books. There is no specific deadline for completion at this point in time.

#### 5. Continued in-depth review of Phase 2 Report (version 11 Sept. 13)

Jordan noted that there had not been any content additions or revisions since September. Peter noted that the Overview has too much emphasis on nanoparticles and not enough on synthetic biology, which is developing at a faster rate. He also noted that the reference to Council's adoption of NME occurred earlier than September 2011.

**Action: Gerry** to add Synthetic Biology to the Overview section of the Phase 2 report. **Jordan** to check Council motions for NME approvals and revise the report accordingly.

With regard to specific sections, the following action items were identified:

Page 5 – **Laura** to add the full name of PEN

Page 7 – **Roger** to add battery technology (as noted in item 3 above) to Nanomachines

Page 9 – **Laura** to add updated references to federal and provincial funding (it was noted that the source for this information was from the UofW's Nanotechnology Program page, which may no longer be accurate) **Jordan** to check the source. **Gerry** to provide information on funding from Arthur Carty with respect to WIN. **Jordan** to check Statistics Canada for more recent data on employment in nano industries. **Yuri** to look for more industry information.

There was some discussion about the need for stakeholder consultation when the Phase 2 report was nearing completion. The conclusion was that the NME Phase 2 report could be presented to Council in February 2013 while the stakeholder consultation was underway, with final presentation to Council for approval at a later time (hopefully April 2013).

6. **Next meeting(s) date** – December 13, 2012, 4-6pm, room TBA

7. **Adjournment** - The meeting was adjourned at 6:02pm.