



The Tecnológico de Monterrey and the University of Wolverhampton will convene a workshop

Science and Mathematics Education - a Workshop for Researchers

For doctoral students and postdoctoral researchers as part of a project financed by



Workshop characteristics:

1. The workshop's objective is developing the capacity to investigate in Mathematics and Science Education through the exchange of investigations and findings between the participants in Mexico and UK. The development of investigation capacities will be specifically approached in the subjects of Mathematics and Science Education through the development of the investigators' ability to do critical analysis, make propositions and have an international vision. It seeks to promote investigation, innovation and networking as it looks for integrated investigation and publication opportunities.
2. Position papers setting out projects, ideas, concepts, experience and theories are now welcome. The workshop agenda includes the following topics:
 - a) Particular characteristics of the investigation of the Mathematics and Science Education compared to other educational areas
 - b) STEM learning with mobiles
 - c) The importance of discussion in STEM and digitally mediated learning
 - d) Citizen science with mobiles
 - e) Mobile science teacher training
 - f) A comparison of education in Mexico compared to the United Kingdom
 - c) The use of technology to promote learning in Science and Mathematics
 - d) The importance of context in the academic performance of students taking Science and Mathematics courses
 - e) Use of technological tools for investigation purposes.
 - f) The institutional design of Science and Mathematics courses
3. The results expected from this workshop are:
 - a) Creation of a joint investigating network in Science and Mathematics between the United Kingdom and Mexico.
 - b) An e-book containing the collaboration of participating student and teacher investigators.
 - c) Investigators formed in the use of technological resources for their jobs.
 - d) Investigators formed in the promotion of mathematics and science learning.

The Call Basis:

1. The applicants should be studying a Doctorate in Education and be interested in doing their doctoral thesis on a subject related to Science or Mathematics Education.
2. The applicants should be available to travel on the dates in which the workshop will be taught. Dates will be mentioned further in this document.
3. Mexican applicants should have an English level equivalent to 550 points in TOEFL.
4. In order to compete in the selection process, applicants should send an e-mail (Mexicans: solramirez@itesm.mx UK: John.Traxler@wlv.ac.uk) containing three or four documents:
 - a) A curriculum that contains: not only education and professional experience, but also address, telephone number e-mail, detailed information of the program and University where they are studying. It should be between two and three pages and written in English.
 - b) A research investigation, not published, about a subject related to the workshop. For example, the instructional design of formational experiences, use of educational technology, interaction between education and the context in which it takes place, etc., all of which should be in the framework of the education in mathematics and science. The proposal should indicate in which way it is related to the workshop inserted in the proposal. Extension: 8 to 10 pages.
 - c) Copy of IFE o INE for Mexicans or copy of passport for English.
 - d) Mexicans: a copy of their TOEFL exam.
5. The deadline for receiving proposals is May 15th 2015.
6. The documents handed in will be evaluated by a selection committee. 15 Mexican participants and 15 participants from the United Kingdom will be chosen to attend the workshop.
7. A notification will be sent on June 15th 2015 to the applicant's e-mail address.
8. The applicants should be available to create a commitment that will publish an investigation report in an eBook which will be edited as a result of this workshop with the required quality standards. The final report shall be handed in no later than November 10th 2015.
9. The workshop will be offered during four days, 3rd November to 6th November 2015. Applicants need to be available to travel one day before and one day after the workshop.
10. The workshop will be taught in Cancun, Quintana Roo, Mexico. The hotel venue is yet to be determined.
11. Travel expenses, room and board will be covered by the workshop organizers.

Calendar:

Deadline to receive documents	May 15th 2015
Notifications	June 15th 2015
Notification confirmation (participants)	From July 1st to 15th 2015
Logistics coordination (flight tickets)	From July 16th to 30th 2015
Previous work (revision of reading materials, report writing progress and answer instruments), as a preparation for the workshop.	From July 15th to September 30th 2015
Workshop	From 3rd to 6th November 2015
Final report deadline	November 10th 2015

For more information or questions please contact the workshop organizers:

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UK: John Traxler-University of Wolverhampton <John.Traxler@wlv.ac.uk>