



# ADVANCED RESEARCH AND TECHNOLOGY COLLABORATORY FOR THE AMERICAS



Organization of  
American States

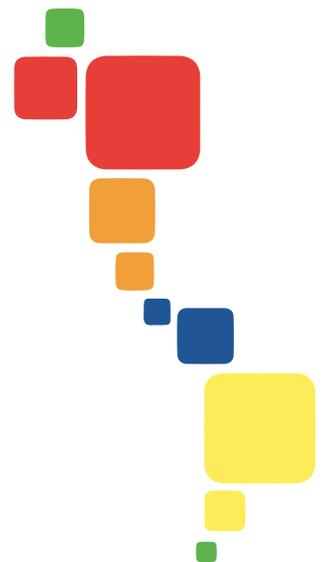
The Advanced Research and Technology Collaboratory for the Americas (OAS-ARTCA) is a Network that consolidates interdisciplinary, inter-institutional and international research and education, to address pressing problems that arise in the natural sciences, technology, and the human sciences. Created in 2010 from a strategic alliance between the Organization of American States; the Institute for Computing in Humanities, Arts and Social Science (I-CHASS) of the University of Illinois; the National Center for High Technology of Costa Rica (CeNAT) and the Costa Rica-United States Foundation for Cooperation (CRUSA); OAS-ARTCA aims to provide experts and resources in advanced technologies to transcend the intellectual, institutional, and financial barriers that can impede collaborative work among countries. OAS-ARTCA encourages researchers, educators, and nonprofit leaders from all over the region to work together on projects that can improve the quality of life for citizens of the Western Hemisphere. Below are some examples of recent and upcoming OAS-ARTCA activities.

For more information, please visit: [www.artcaonline.org](http://www.artcaonline.org)

## HASTAC 2014

OAS-ARTCA in collaboration with HASTAC (The Humanities, Arts, Science and Technology Alliance and Collaboratory), is currently preparing a massive 3-day Conference called HASTAC 2014 to be hosted at the Ministry of Culture of Peru on April 24-27, 2014. Every year, the HASTAC conference brings together about 400 to 500 educators, artists, authors, teachers and digital visionaries committed to the creative development and critical understanding of new technologies in life, learning, and society. This is the sixth edition of the Conference but it is the first time that the event will take place in the Latin American Region. The Ministry of Culture of Peru has already expressed its interest in focusing this year's Conference around digital and 3D animations. As such, spaces will be made available for discussion and trainings in the field. Furthermore, conferences, lightning talks, exhibitions, booths, demonstrations, round tables, online gaming and creative and cultural presentations will be included in the event. People interested in presenting have until November 30th, 2013 to apply.

For more information, please visit: <http://hastac2014.org/>



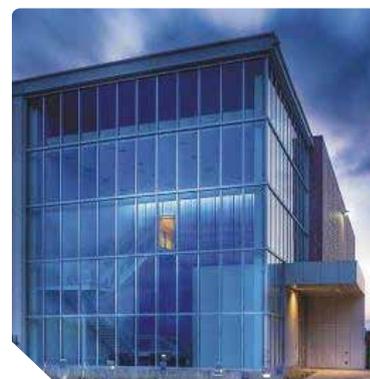


## Executive Immersion Program

In 2014 OAS-ARTCA will conduct the first round of a technological immersion program for executives, directors and high authorities of the Ministries and Councils of Science and Technology of the OAS Member States – to expose them to the possibilities offered by advanced technologies and reflect on how these tools could be used for integral development in the Americas. The Program will consist of a 5 day visit to the facilities of the University of Illinois, including the Blue Waters Supercomputer; the Virtual Cave; the Advanced Visualization Laboratory, the Digital Arts Gallery, the Virtual Museum and the 3-D image processors. Additionally, during their stay, candidates will have the opportunity to attend conferences and sessions on themes related to advanced technologies and to establish contacts with professionals through networking opportunities. The University of Illinois will provide accommodations, terminal expenses and per diem for selected participants. Airfare from the home country to the State of Illinois will have to be assumed by the institution of each candidate. This activity will be conducted during the week of March 17 through 21, 2014. **Candidates interested in participating should write to [info@artcaonline.org](mailto:info@artcaonline.org)**

## Radical Innovation Summit

On June 13 and 14, 2013 OAS-ARTCA held a two-day workshop at the OAS headquarters in Washington, D.C., bringing together around 35 leaders in innovation from across the Americas to collectively consider strategies for integrating innovation in higher education. Experts from the United States, Mexico, Costa Rica, Guatemala, Trinidad and Tobago and India attended the Summit. Participants had their airfare, terminal expenses and per diem covered for the two days of the workshop, thanks to a grant from the National Science Foundation (NSF). To this day the participants still exchange good practices online thanks to a Google Group that was created for them. A portfolio of best innovative practices in education is also under construction. It is planned that a Second Edition of the Radical Innovation Summit will take place in 2014.



## Pan-American Advanced Studies Institute (PASI)

From July 15 through 26, 2013, OAS-ARTCA organized a ten-day Summer Institute which brought together 30 participants from all over the Americas to offer training on Methods of Computation-Based Discovery (CBD). The Institute took place at the Universidad del Valle de Guatemala in Guatemala City. Trainers came from the University of Illinois; the Universidad del Valle de Guatemala; CINESTAV (Mexico); the National Center for High Technology of Costa Rica (CeNAT); the Universidad de los Andes (Colombia); as well as from RedCLARA – Latin America's largest academic Network with more than 1200 public and private universities. Selected participants had their travel and terminal expenses as well as accommodation, per diem and training fully covered, thanks to a grant from the National Science Foundation (NSF). Overall, the PASI became for participants not only a learning experience, but also a significant moment of cultural exchange and discoveries. To this day some teams of researchers still collaborate together with the help of a mentor (instructor from PASI). OAS-ARTCA is already working at organizing a Second Edition of the PASI in Latin America in 2014.

## One Million Supercomputing Hours Challenge

OAS-ARTCA in conjunction with XSEDE – The Xtreme Science and Engineering Discovery Environment will launch in 2014 a Second Edition of the "One Million Supercomputing Hours Challenge". Based on the success of the first round of applications which granted 5 teams of researchers from the United States and abroad with half a million supercomputing hours in 2010, the Second Edition will target more specifically researchers and faculty members from the LAC Region. It is planned that eight to twelve teams of researchers will be awarded this year. Experts from the University of Illinois, NCSA, and XSEDE will provide hands-on training and follow-up to selected teams of researchers, from designing their proposals to processing their data.

**Teams interested in applying should write to [info@artcaonline.org](mailto:info@artcaonline.org)**

