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ISTEC Sponsored Events:

June 2002

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The following document contains a preliminary list of ISTEC – coordinated events to be carried out in 2002 for both the Liblink and Research & Development Initiatives, as well as a preliminary listing of scheduled ISTEC – Motorola “IT Challenges”.

ISTEC coordinates annual workshops to provide training to a critical mass of professors, researchers, librarians, the private sector, and the academic community at large. The Consortium coordinates an average of 15-20 workshops / seminars per year, reaching an estimated audience of 3000 participants. These events have a substantial regional impact at 150 member institutions from the academia, public and private sectors, as well as government agencies and international organizations.

The objective of the Motorola – ISTEC “IT Challenge” series is to sponsor conferences, workshops and forums with the participation of high-ranking government officials,

academia, industry and international organizations to create awareness, analyze existing IT models in other regions, develop an IT agenda, and obtain commitments to implement an IT plan for the next decade.

ISTEC provides sponsorship opportunities for each one of these events, depending on their size, participants, and impact.

For more information on any of these events and opportunities for sponsorship, please contact the Executive Office at info@istec.org. These events will also be listed on the ISTEC Webpage (www.istec.org), and will receive ample dissemination through our specialized listserves and network base.

Liblink Digital Library Workshops:

14 – 17 May, 2002--- Jornadas Educativas México 2002: Taller Mesoamericano de Biblioteca Digitales y Educación a Distancia. INAOE, Puebla, Mexico

The purpose of this workshop is to promote the development of Science and Education in the area of Informa-

tion Technologies with an emphasis on the creation of human and legal framework that will promote this sector in the region. The emphasis of the workshop will be on both Liblink and ACE initiatives.

Digital Library Workshop in UNICAMP, Campinas, Brazil

September 16 – 18 2002---Brazil has the largest digital libraries group in the region (over 25 participating institutions) and both its technical as well as coordinative capabilities are very advanced. This workshop will take place at UNICAMP. This event is being coordinated by ISTEC – LigDoc, in conjunction with a Brazilian Librarian’s Group event, and it will focus on current Brazilian projects. Participation of countries from Mercosur is expected.

Digital Library Workshop September 2002--- , Universidad de Granada, Spain

Digital Library Workshop geared towards the consolidation of an IS-

Department of Electrical Engineering / College of Engineering, University of South Florida, Florida, USA / OAS / ISTEC

R&D Workshop "Multidimensional Signal Processing: Theory and Practice"

This workshop will take place at the University of South Florida in Tampa from July 8- 12, 2002. Par-

ticipating professors and researchers will conduct hands-on research and take various classes / mini-workshops as a complement to their research. There is an initial vacancy for 20 participants, and a limited offering of 12 vacancies with airfare / lodging / transportation paid by the sponsoring institutions.

The proposal, selection criteria and

other pertinent information is currently available on the ISTEC Webpage. For more information, please contact Dr. Wilfrido Moreno (Moreno@eng.usf.edu).



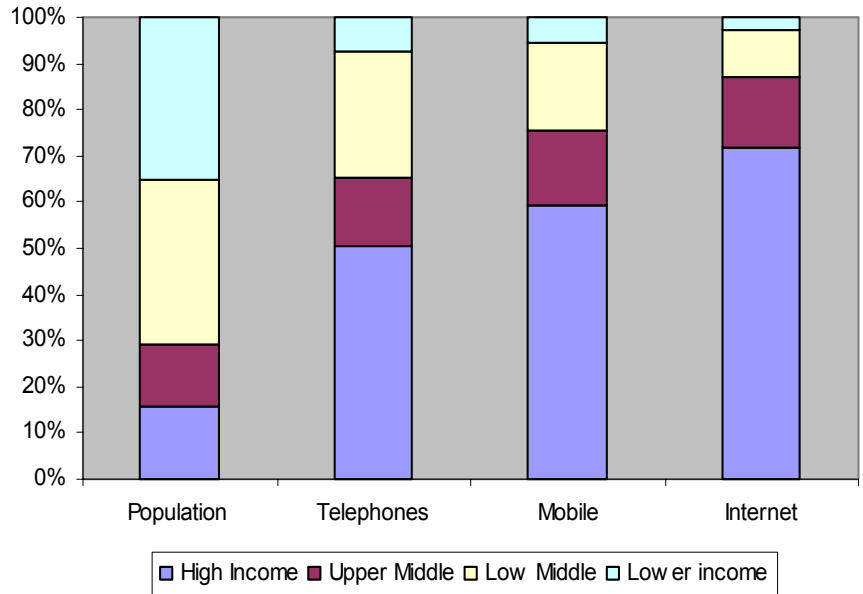
TEC – Liblink information network in the Iberian region and outreach to the European Knowledge Community.

Workshop Universidad de Carabobo, Venezuela November of 2002

ISTEC XII General Assembly, Panama November 18 – 22, 2002.

As of the last two years, the ISTEC GA has included a series of workshops that take place during the week of the GA that have been very well attended by the academic community at large (ISTEC members, non members, professors, researchers, students, high profile academic representatives) as well as by repre-

The Digital Divide is an Economic Divide:
 Distribution of population, main telephone lines, mobile cellular subscribers and Internet users by country economic classification, 2001
Distribution by Economic classification, 2001



Source: ITU World Telecommunication Indicators Database
 World Telecommunication Development Report 2002 / www.itu.org

See more about up coming events on page 6.

Universidad de Oriente

Rectorado / Coordinación areas de Bibliotecas. VI Colloquium on applied information services technologies and II virtual symposium.

IPAE— 2002 Peru

“IT Challenge” – in conjunction with Corporacion Andina de Fomento (CAF)

Page 5.



Center of excellence ISTEC-UDEM

www.udem.edu.mx/coe/



representatives from major industrial companies (Motorola, Microsoft, Sun, SCT, SilverPlatter, ProQuest, Ebsco, CSA, Institute of Physics Publishing, etc.). Other participants include representatives from International Organizations and government agencies.

Research and Development Workshops July 8-12 ----- ISTE C / USF Workshop "Multidimensional Signal Processing: Theory in Practice" Department of Electrical Engineering / College of Engineering, University of South Florida, Florida, USA.

This workshop will take place at the University of South Florida in Tampa from July 8- 12, 2002. Participating professors and researchers will conduct hands-on research and take various classes / mini-workshops as a complement to their research. Upon their return to respective home countries, the participants are expected to create national networks of researchers with the purpose of carrying out joint research and exchanging experiences and ideas. The result of the creation of these networks and all related efforts will be reported back to the ISTE C Executive Office so they can be shared with other member institutions.

CICC 2002 / R&D Workshop October 7 – 12, 2002.

This workshop will take place in the context of CICC 2002. The Congreso Internacional en Ciencias de la Computación (CICC) was created as a response to urgent requirements in the technical, scientific, and educational development processes of Bolivia. Its foundation and creation are a result of joint efforts between the Science and Technology Department and the Systems Engineering Department at Universidad de Aquino, Bolivia.

ISTEC XII GA November 18 22, 2002, Panama

As of the last two years, the ISTE C GA has included a series of workshops that take place during the week of the GA that have been very well attended by the academic community at large (ISTEC members, non members, professors, researchers, students, high profile academic representatives) as well as by representatives from major industrial companies (Motorola, Microsoft, Sun, SCT, SilverPlatter, ProQuest, Ebsco, CSA, Institute of Physics Publishing, etc.). Other participants include representatives from International Organizations and government agencies.

IT Challenges

Los Libertadores IT Challenges Albuquerque, New Mexico, USA

May 29 – 30, 2002 IT Challenge “Annual Iberoamerican Research & Development Summit” (AIRDS)

Abstract: Sandia National Laboratories, the City of Albuquerque’s Office of Economic Development, and MAPA Incorporated of Washington, DC will present the Second Annual Iberoamerican Research and Development Summit (AIRDS) in Albuquerque from May 29-30, 2002. AIRDS is supported and sponsored by the Central New Mexico Trade Partners including the Greater Albuquerque Chamber of Commerce.

Universidad Autónoma del Occidente, Cali “Foro de Discusión sobre políticas de Desarrollo Tecnológico en Colombia” Cali, Colombia

August 2002.

The objectives of this forum are to: To propose and establish policies for the technological development in Colombia, by reviewing existing policies in other countries and within Colombia; Develop a preliminary proposal containing economic incentives through taxation exemptions for those that invest in technological development; to unite academics, politi-



ISTEC Sponsored Events

cians, and the business community to debate on the policies and commitment that the technological development in Colombia must face.

The conclusions of this forum will be presented to the new Colombian administration for its study and analysis.

IT Challenge Universidad Autónoma de Asunción / Universidad Católica de Asunción, Paraguay.

September, 2002---This event is organized by Universidad Autónoma de Paraguay / Universidad Católica de Asunción, and ISTECS, and is geared towards the Mercosur group.

(IPAE) 2002 Peru

“IT Challenge” – in conjunction with Corporacion Andina de Fomento (CAF)/and Camara de Empresarios del Peru This event is currently being negotiated, although CAF has contacted ISTECS with much interest in including an IT Challenge component to this annual event.

Universidad de Aquino, Bolivia October 7 – 12, 2002---CICC 2002 / R&D Workshop – IT Challenge

This workshop will take place in the context of CICC 2002. The Congreso Internacional en Ciencias de la Computación (CICC) was created as a response to urgent requirements in the technical, scientific, and educational

development processes of Bolivia. Its foundation and creation are a result of joint efforts between the Science and Technology Department and the Systems Engineering Department at Universidad de Aquino, Bolivia.

XII ISTECS GA Panama City, Panama November 18-22, 2002 IT Challenge Panama

This event is aimed to promote the technological advancement in Iberoamerica, create a forum for the analysis of science and technology for society, and to promote the investment in technology in the entire sectors of the economy.

Objectives: To analyze the development of Science and Technology (S&T), as well as existing Strategies and Policies in the Latin American and Caribbean Region, with the goal of utilizing Information Technologies (IT) as tools for Economic, Social and Cultural Development.

2) To recommend actions to implement IT for the Integral Development of the Region.

3) Create profitable and sustainable partnerships in the Iberoamerican region between academic institutions, the private sector, laboratories, technological parks, government agencies, and industries housed in Iberoamerican technology parks, and businesses seeking international partners in Iberoamerica.

4) Facilitate science and technology education in the region and provide a cost-effective vehicle for technology transfers and joint international projects.

A special emphasis will be placed on Central America, and how ISTECS members can work closer with their Central American counterparts to promote development and cooperative projects with each other.

Impact: During the week of events of the XII GA in Panama, ISTECS expects an estimated audience of 150-200 North, Central, and South America and local representatives from academia, industry, R&D agencies, and international organizations. Observers will come from Europe, and other regions.

Audience: R&D professors and graduate students, researchers, government agencies as well as industry representatives from both ISTECS member organizations and from observer institutions from Iberoamerica and Europe, IEEE Chapters

IT Challenges

Santiago, Chile

**December, 2002 IT Challenge
Universidad de Chile**

This annual IT Challenge, coordinated by the Computer Science Department of Universidad de Chile, CYTED, CONICYT, and ISTECS is a forum that unites representatives from universities, the private sector, international organizations, and others with the purpose of generating discussion, opinions, and comments of the development of IT in the region.

ISTEC Co-Sponsored Events

UNIVERSIDAD DE ORIENTE
RECTORADO / COORDINACIÓN ÁREAS DE BIBLIOTECAS VI COLLOQUIUM ON APPLIED INFORMATION SERVICES TECHNOLOGIES AND II VIRTUAL SIMPOSIUM:

(6to COLOQUIO DE TECNOLOGÍAS APLICADAS A LOS SERVICIOS DE INFORMACIÓN Y EL II SIMPOSIUM VIRTUAL):

The Information Without Borders conference will take place from the 10 – 14 of June of 2002 at the Hotel Margarita Hilton of Porlamar, Margarita Island, Venezuela. The event is being sponsored by the Asociación de Bibliotecas de toda Venezuela (ANABISAI) and ISTECS.

Please visit

www.udo.edu.ve/vicoloquio/ for more information, or contact the organizers at email: bashiru@re.udo.edu.ve.

X SIMPÓSIO BRASILEIRO DE MICROONDAS E OPTOELETRÔNICA

“Microwaves and Optoelectronics: Evolution, Trends, and Perspectives”

Recife, Pernambuco 12-16 August 2002

The X Brazilian Symposium for Microwaves and Optoelectronics, X SBMO, which is organized by the Brazilian Microwave and Optoelectronics Society (SBMO) and by the Photonics Group of the Electronics and Systems Faculty of UFPE, will take place from 12-16 August of 2002 in Recife, Pernambuco, Brazil. The Symposium takes place every two years, and represents the largest national event in the areas of Microwaves, Millimetric Waves, Antennas, Propagation, Optics, Optoelectronics, and Photonics. It is a forum for the exchange of information and experiences regarding recent advances in technical research and development in these areas. The theme of the X SBMO, will be “Microwaves and Optoelectronics: Evolution, Trends, and Perspectives”, and invited participants will discuss the evolution of these areas in Brazil, taking global trends into

account. It will also analyze perspectives of progress within the national science and technologies policies.

International Conference on Engineering Education 2002, England 18-22 August 2002

The International Conference on Engineering Education has a long history of the promotion and understanding of engineering education throughout the world. The first conference took place in Taipei in 1994, and since then the conference has been truly international, meeting in Chicago, Rio de Janeiro, Ostrava & Prague and Taiwan. In 2001 the conference was held in Norway <http://www-pors.hit.no/tf/icee01/> and in 2002 it will be held here in Manchester.

If you would like to receive the first circular and regular updates please complete the form below

<http://www.meeting.co.uk/icee/info.htm>

15th SYMPOSIUM ON INTEGRATED CIRCUITS AND SYSTEM DESIGN

CHIP IN THE PAMPA - SBCCI 2002

Porto Alegre, RS, BRAZIL September 9-14, 2002

The SBCCI is a forum organized by



ISTEC Co-Sponsored

UFRGS - Universidade Federal do Rio Grande do Sul and PUCRS - Pontificia Universidade Católica do RS and dedicated to integrated circuits and systems design, held annually in Brazil. The goal of the symposium is to bring together researchers in the areas of CAD, synthesis, design and test of integrated circuits and systems. The proceedings are being published by

IEEE Computer Society Press in time for distribution at the conference.

Beside the traditional tutorials, regular technical sessions, round tables, working groups and exhibitions, several activities are planned this year to encourage high quality contributions and enrich the meeting. The event is sponsored by SBC - Brazilian Computer Society, and SBMicro - Brazilian Microelectronics Society. Co-Sponsors include IFIP WG10.5 - International Federation for Information Processing and ACM SIGDA.

The International Conference on Information and Communication Technologies in Education (ICTE 2002), will be held in Badajoz, Spain on November 20-23, 2002. The Conference will provide a presentation and discussion platform for new educational environments and their ap-

plication. The organizing committee is committed to giving an overview of the state of the art as well as upcoming trends, and to promoting discussion about the pedagogical potential of new learning and educational technologies both in the academic and corporate world. The focus of the conference will be on technological, pedagogical, networking, and community building innovation.

The Conference will provide a presentation and discussion platform for new educational environments and their application. The organizing committee is committed to giving an overview of the state of the art as well as upcoming trends, and to promoting discussion about the pedagogical potential of new learning and educational technologies both in the academic and corporate world. The focus of the conference will be on technological, pedagogical, networking, and community building innovation. Contributions to the following topics will be given higher priority:

For more information please visit www.formatex.org/congreso.html or go to www.istec.org (review current Events).

Consortium News

Consortium News:

ISTEC Board of Director's Meeting
The first biannual regular Board of Directors meeting took place on May 23-24 at Universidad de Monterrey in Monterrey, Mexico. The Board of Directors conducted its regular deliberations regarding the Consortium's administration and the general direction of the initiatives, and included special pending themes such as the

dues for the effective daily operation of the Consortium. As was agreed upon under the "New Membership Regulations" document, section 2.4 (please see Webpage, under Membership Regulations), only those institutions that are current on their dues by the month of October will be able to vote for a candidate for the Board of Directors or run for office at the time of the General Assembly. We respectfully send a reminder to our members so that their institutions

professors and researchers will conduct hands-on research and take various classes / mini-workshops as a complement to their research. There is an initial vacancy for 20 participants, and a limited offering of 12 vacancies with airfare / lodging / transportation paid by the sponsoring institutions.

The proposal, selection criteria and other pertinent information is currently available on the ISTECEC Webpage. For more information, please

Membership Growth 2000—2002



Note: Figures do not include conditional and honorary members

plan for ISTECEC services, among others. The next meeting of the Board of Directors, as well as their conclusions and proposals to the General Assembly, will take place during the next ISTECEC General Assembly at Universidad Tecnológica de Panama on November 18-22.

Irregularity in payment of membership dues affects voting privileges:

The EO wishes to remind the members of the vitality of their membership

can stay current and in this way collaborate towards the larger goals of the Consortium.

University of South Florida / OAS / ISTECEC R&D Workshop – Scholarships available ISTECEC / USF Workshop

"Multidimensional Signal Processing: Theory in Practice" Department of Electrical Engineering / College of Engineering, University of South Florida, Florida, USA.

This workshop will take place at the University of South Florida in Tampa from July 8- 12, 2002. Participating

contact Dr. Wilfrido Moreno (Moreno@eng.usf.edu).

Announcement for ISTECEC services, to be discussed at the XII General Assembly:

Introduction / Mission

ISTECEC has, for the past 10 years, operated as a consortium, supported and assisted by educational institutions, industrial members, government and interested parties. The consortium has had much suc-

Consortium News

cess, and has attained the status of being a leading force for research and development of its type in the Iberoamerican region. Recently, however, it has suffered considerably from a lack of adequate revenue, and has had to rely heavily on industry members and interested outside parties such as the State of New Mexico and the University of New Mexico, where the consortium is headquartered, to sustain and expand its programs.

Due to the above mentioned financial inadequacies, which resulted from low membership dues and relied heavily on the largesse and marketing ambition of certain vendors and manufacturers, ISTECEC has not provided many of the services and improvements it sought to do in its charter, and that it added as the consortium matured. For example, ISTECEC has very few full time personnel at the Executive Office. Considering that the Consortium's growth rate is currently at 20-25% annually, the organization has increasingly suffered from untimely responses to member requests as the demands on the EO grow disproportionately to its operating budget. Additionally, the recent FY 2002-2003 15% cut in the State of NM funding from the Legislature has brought urgent attention to this matter. With the current downturn in the economy, these cuts are predicted to increase

over the next budget cycles. This matter requires immediate attention and a cohesive action plan that aims at a program that is self-sufficient.

The following is a brief list of the proposed services to be offered by ISTECEC:

- The Consortium coordinates an average of 15-20 workshops / seminars per year, reaching an estimated audience of over 3000 participants. These events have a substantial regional impact at 150 member institutions from the academia, public and private sectors, as well as government agencies and international organizations. The current proposal is for ISTECEC to begin charging for pertinent events, and the funds be applied towards a common event fund, for example.

- One of the most common ISTECEC services in the past has been the offering of specialized courses to members and non-members, either on-site, at a distance, or otherwise. This modality has very high demand, and the Consortium has an abundance of qualified experts willing to travel and teach a wide variety of courses. Under this new proposal, the service will continue just as it has in the past, but with a standardized structure to it. Currently, there is a tentative fee schedule and a list of speakers per topic.

- Various Consulting services on Technology, Management, and Evaluation of infrastructure, among others Information Brokerage Services

ISTECEC is positioned to function as an

Information Brokerage within the consortium between members and outside the consortium between non-members and members. Consequently, the information brokered will depend on the specific information need of the member and/or non-member.

This topic will be discussed at length during the next General Assembly. More information will be disseminated as it becomes available on the ISTECEC Webpage.

XII ISTECEC General Assembly

According to a decision voted on at the XI GA, the next General Assembly will take place at Universidad Tecnológica de Panamá, in Panama City in November 18-22 of 2002. The event will have the same format as last year's, including specialized workshops per initiative as well as a IT Challenge that will precede the Assembly. Ing. Hector Montemayor, Rector of the UTP will be the main organizer for this event. For more information, please contact the Executive Office or Ing. Montemayor: hmonte@utp.ac.pa. More information on this important event will be published as it becomes available.

Membership Issues

Approved as conditional by the Board, to be ratified by the General Assembly

- 1.Hewlett Packard Company - USA
- 2.Comisión Nacional de Energía Atómica – CNEA - Argentina
- 3.Universidad Iberoamericana – UNIBE – Dominican Republic
- 4.Comunidad “Ñ”, Spain
- 5.Universidad Industrial de Santander, Colombia
- 6.Universidad “Dr. José Matías Delgado”, El Salvador
- 7.Universidade Estadual do Rio Grande do Sul, Brasil

Remaining as Conditional from last GA:

- 1.Universidad Jorge Tadeo Lozano, Colombia
- 2.Universidad Nacional de San Agustín de Arequipa, Perú
- 3.Universidad Católica de Valparaíso, Chile
- 4.Semio Corp.

LIBLINK

Update on CELSIUS software for rapid Document Delivery (from UNLP):

Celsius is a software originally designed to publish in the web the statistics produced by the exchange of documents between different institutions that cooperate with the Library Linkages Project (Liblink) from

the Iberoamerican Consortium for Education, Science and Technology (ISTEC)

As any software that has related functions with the analysis of database, it needs to obtain reliable data to be able to perform such analysis. The data to which we refer comes from the users' required documents. For this reason

the original Celsius© added functionality related to the users' requirements to assure that the records will be performed the best way possible to facilitate the future use of the mentioned statistics.

It is necessary to clarify that the tasks that the Staff receives from the users compromise a number of additional activities: After receiving an application it is necessary to check it and correct it. Then it is necessary to perform a search in the cooperative Libraries' catalogs on the web. After the request is made, and is finally registered to respond to the user's query, the diversity of the events derived from each request carried out to the necessity of being incorporated in the software to facilitated each task of the term. It will be this way until we include the final stage that automatically will include the tedious task of communicate to the users about the receptions, consultations, cancellations and other messages sent via e-mail.

The Celsius software was registered in Argentina in front of the National Royalty Board as an unpublished work

under the record 173912 dated on December 28, 2001. The aforementioned work was registered under the name of

“Celsius: Software for the request of bibliographic material”. The authors of the software are Lic. Emiliano Marmonti and Ing. Marisa R. De Giusti.

Celsius is currently installed and functioning at the National University of

La Plata with the PREBI Project, which is directed by Ing. Marisa R. De

Giusti. It is possible to accede and observe the facilities that the software gives in the PREBI's site: <http://www.unlp.istec.org/prebi/>

The CELSIUS software is currently being installed and tested at participating institutions. ISTEC will coordinate a series of workshops for training on the use of this tool, including one during the XII General Assembly.

Conclusion of Cambridge Scientific Abstracts' free trial for ISTEC members and collaborators.

Cambridge Scientific Abstracts (CSA) offered a free trial period of their Internet Database Service that ended on June 1. The data and feed-

back obtained is currently being evaluated, and there will be continued negotiations with CSA. More information regarding their proposal will be posted as soon as it becomes available. For comments or suggestions regarding this project, please contact Luis Swartz at luis@csa.com or the Executive Office at: info@istec.org.

Proquest

Proquest has submitted a proposal for Consortial Purchasing to ISTEC members. The final version is currently being revised, and more information will be disseminated through the ISTEC Webpage. For more information please contact the Executive Office.

Workshops LIBLINK 2002

Please refer to the List of Projected Events – 2002 at the end of this Quarterly Message

Electronic Theses and Dissertations Project with UNESCO and Virginia Tech
ISTEC has become a very active participant in the UNESCO Online Guide to Electronic Theses and Dissertations project. This was a joint grant that ISTEC had with Virginia Tech and UNESCO. Participating ISTEC members include Universidad de Chile - Chile, Pontificia Universidad Catolica do Rio de Janeiro – Brazil, and University of New Mexico – USA. The current version of the guide, translated into English and Portuguese, can be accessed at

www.ETDguide.org.

Liblink operation set up at UNM Health Sciences Center

A Liblink document delivery operation center has been setup at the UNM Health Sciences Library, and its catalog can be found on the ISTEC – Liblink Webpage.

RESEARCH & DEVELOPMENT LABS

R&D Consulting

The ISTEC R&D initiative is expanding its offering of services to include consulting as a means to generate funding for other activities. Some of these initial consulting sessions that took place include a week of Consulting on DSP and Mentor Graphics Technologies at Universidad Autónoma de Occidente, Colombia, and three days of consulting at Universidad de Guadalajara Mexico (UDG - CUC Sur). If you like to receive more information on the offering of consulting services, or would like to participate and offer your services as a consultant through ISTEC, please contact the Executive Office.

Strategic workshops

Please refer to the List of Projected Events – 2002 at the end of this Quarterly Message

Negotiations with Metrowerks

The negotiations that involve transfer of equipment have encountered several obstacles in the legalities of the transfer as well as for customer support. IS-

TEC's lawyers have made a series of recommendations that include the legal recommendations and considerations for this service. Please refer to the ISTEC Webpage for additional information.

The following Web-based Course/lab are being developed:

A HC68-11 based laboratory at USF

A DSP based 56303 and 56824 laboratory at CUAO

A Rapid System Prototyping course and Lab based on ALTERA tools at USF.

A DSP based Lab at Universidad Javeriana in Cali, Colombia.

ACE

ARIADNE UPDATE

The first phase included the installation of an Oracle database on the Servers at the Executive Office at the University of New Mexico. This activity included the installation of a fully functional Oracle 8i Database on Solaris 8, the LKP first installation, preliminary Tests, and a trip to Europe to participate in the ARIADNE workshops.

The main goal of this trip was to address to address the technical issues that had appeared during the installation of the product, database concerns, to provide a more accurate insight into the products, it's phi-

losophy and intend as well as their functionality, modus operandi and interaction.

The remote installation has been concluded at UNM, and ISTECS has 1450 replicated documents. Future work scheduling involves the installation of 2 new nodes in UNM, begin replication of content, support CUCSUR-ARIADNE initiatives, and the integration of the Chips and Salsa Platform with the Ariadne engine, in order to be ready for next phase of deployment by December 2002. A full status report as well as a training workshop will be presented to the XII General Assembly in Panama. For more information, please contact the Executive Office.

Comunidades de Aprendizaje – Universidad de Guadalajara / CUCSUR

From Donato Vallin (CUCSUR) the fundamental purpose in this moment is to create an Academic-Administrative-Technologic pertain among these institutions, which will allow them the transference in the scientific and technologic ground, and also in the applied methodologies and experiences. This will enable professors and students with learning strategies to use the Computer Technology and Instructional as a tool for a valid and exceptional education.

The CICA's are networks, learning and cooperation supported by the new technologies. They are organized as a strategic program of ISTECS that the University of Guadalajara and CREFAL sponsored by universities propose to the Consortium in order to build up an open web, self-sufficient, flexible and oriented to the solution of developmental problems. It constitutes a model in process of educative innovation, flexible and alternative considering the technologies and the instructional means. Members of the ISTECS will be able to incorporate to CICA as long as the thematic contents, actions, strategies, methodologies, processes, length and ways of organization will be compatible.

CICA's are a tool of multilateral cooperation, specially in Latin American and Caribbean countries with emphasis in the improvement of life conditions, the equity and the introduction of new models of development that are sustainable. This program will be presented with more details during the XII GA. For more information, please contact, M.C. Donato Vallin: dvallin@cucsur.udg.mx

LOS LIBERTADORES

Inauguration of the ISTECS Center of Excellence at Universidad de Monterrey, Mexico, May 24-25
More than 200 participants from 66 educational institutions from 13 Iberoamerican countries attended the opening ceremony of the Center of Excellence at Universidad de Monterrey, Mexico on May 24-25. This

coincided with the meeting of the Board of Directors at Universidad de Monterrey. A Center of Excellence is defined as a technological unit whose infrastructure concentrates contents and services that facilitate access, development and scientific and technological exchange; cooperative learning through state-of-the-art educational practices; and efficiency for the university action, using advanced technology products at a low cost. They help to elevate the competition level among educational and scientific institutions in support of the communities to which they pertain.

The event included discussions on the future of Science & Technology Policy in the region as well as a series of workshops and technical trainings. To access the material from the conferences and round table discussions, please visit: <http://www.udem.edu.mx/coe/>.

ISTECS – CEITEC Collaboration

As an unprecedented project in Latin America, CEITEC will be a center of technological development of small scale production of integrated circuits and of human development in microelectronics. It is a project with a national scope, with partnerships from the State of Rio Grande do Sul and coordination

from the Ministry of Science and Technology of Brazil. CEITEC will operate in Porto Alegre as an anchor institution for the National Microelectronics Program of the Ministry of Science and Technology. Its conception is based on partnerships between municipal, state, and federal governments; and universities and industries, of which Motorola is the main private partner. The Center will offer infrastructure to industries, research centers, and institutions of higher learning. The objective of the project is to insert Brazil in the international microelectronics market, stimulating the creation of skilled jobs. The sectors that will be benefited include telecommunications, computing, services, entertainment, and others.

For more information, please visit: <http://www.sct.rs.gov.br/pops/ceitec.asp>

ISTEC and IEEE sign a Memorandum of Understanding

In order to encourage the exchange and dissemination of technical information, and to promote understanding and cooperation between the members of ISTEC and the Institute of Electrical and Electronics Engineers, Inc. (IEEE), ISTEC has signed a memorandum of understanding to undertake efforts including, but not limited to:

a. Joint activities - The IEEE and ISTEC may, subject to agreement on

specific items and terms, enter into joint projects, and events, such as conferences, forums, publications; as well as the creation of history, standards, educational materials, etc.

Joint activities devoted to preserving and sustaining the environment; teaching math and science to children, improving technology awareness in the general public, and improving the image of engineers and the profession will also be explored.

b. The Technical Societies – and local Sections – of the IEEE and the local country based groups of ISTEC are encouraged to develop joint activities, based on additional individual agreements, including co-sponsorship of conferences, joint publications, exchange of technical papers and lecturers, translations, etc. It is anticipated that the IEEE Region 9 (Latin America and the Caribbean), and the IEEE Sections In Spain and Portugal (from IEEE Region 8) will represent IEEE in the cooperative efforts.

c. Coordination of Technical Meeting

Plans and schedules for international conferences and major events will be exchanged between the IEEE and ISTEC.

d. Publications Exchange - By mutual agreement, certain publications may be exchanged between the IEEE and ISTEC. Both parties agree to prominently display sample copies of publications by the other party in their respective libraries for examination and review by members. Members of one organization may receive certain publi-

cations of the other organization at reduced rates. Periodicals, for which reduced subscription rates are available to one organization's members, will be available to the other organization's members at a reduction of 20% of the non-member rates. The Proceedings of the IEEE will be available to members of ISTEC at the "sister-society" rate. Single copy publications, for which a reduced price is available to one organization's members, will be available to the other organization's members at a reduction of 20% of the non-member rate.

The term of this agreement shall be for a fixed duration of three (3) years. For more information, please contact the Executive Office, or visit the ISTEC Webpage.

WEB-based Enabling of Education and Research in ISTEC

The ISTEC "Chips and Salsa" WEB project integrates content into structured but flexible information maps and contextual databases. It enables students to take advantage of the content, and turn the WEB portal/gateway into a diligent information provider that orders the information optimally for their particular needs. Similarly, it enables researchers to have specific and accurate access to most relevant information in their research, while establishing knowledge bases, real-time peer review, and repositories

for future work and long haul ongoing projects.

The flexible structure of the portal/gateway makes it ideal for institutions willing to develop online curricula, incorporate R&D results into the classroom, develop real-time specific and general education and research communities, and deliver just-in-time material for life-long initiatives. The portal provides services that require instructors to login and begin their presentations from anywhere in the world using reliable Internet connections. This is done using simple forms that interact with databases that index the contents and build learning threads to be associated with particular knowledge areas. These threads are intended to guide the students through particular disciplines giving them access to content sorted to build curricula accurate for each individual. The research collaboration area enables the researchers to share online notes, data, simulations, papers, presentations, project schedules, and peer-review processes through web-based shared drives. All the information is indexed and organized into research areas and reference compendiums automatically; enabling future researchers to build a case study and reference base for future projects without having to manually

collect the material.

The system also includes virtual laboratory access to enable users to interact remotely with expensive or very specific laboratory equipment enabling them to test theories and get pseudo-real-life hands-on experience. The current test bed is currently being used by ISTECE institutions in the areas such as Signal Processing, Telecommunications, Data Networks, Hardware Design, to mention a few. For more information, please contact Henry Jerez: hjerez@istec.org

OPPORTUNITIES

Opportunities for Latin American Students to come to work with Los Alamos National Laboratories as visiting researchers.

The Los Alamos National Laboratory in Los Alamos, New Mexico, USA, is a member of ISTECE. Their Library-Without-Walls project is world famous for the leading-edge digital library initiatives and their research in information sciences. LANL Research Library (<http://lib-www.lanl.gov/lww/welcome.html>) is also the leading member in the Alliance for Innovation in Science and Technology Information (AISTI at <http://www.aisti.org/>) and have joint digital library projects with major international organizations, such as the Max Plankk Institute in Germany and other DL projects, such as the Open Archives work being done at Old Dominion University. The ISTECE Library Linkages project actively recruits visiting researchers from our membership to spend from 4 to 8 months working at LANL. Visiting researchers are paid a salary while at LANL. They are ex-

pected to pay for their transportation to and from Los Alamos and to find local accommodations. The LANL Library and the ISTECE Executive Office can assist with this and with the necessary visas. While at LANL, the researchers are expected to work on Digital Library systems issues currently underway or on ideas they bring to LANL.

APPLYING:

You can begin the application process by sending a cover letter by e-mail, including your Resume or Curriculum Vitae, to Johann van Reenen, Director of Liblink at [<jreenen@unm.edu>](mailto:jreenen@unm.edu). He will review this with the LANL criteria and forward the CV and letter to Jackie Stack, Assistant Director at LANL Research Library if it is appropriate. Candidates should have a minimum of a bachelors degree in computer science, engineering, information science, library science, or related areas. Please indicate the following in your cover letter: Your interest in digital library systems development; Recent innovative work in any area of software development; The length of time you can spend at LANL, what you would like to do there and when you are available; Your country of origin and citizenship. Johann will contact you if further clarifica-

tion is needed. For more information, please contact Johann van Reenen: jreenen@unm.edu

Exchanges at the University of New Mexico

There are currently over 7 exchange students at the EECE – UNM Master's / Ph.D. programs, and the faculty is accepting applicants on a continuing basis. More information regarding these exchanges and instructions on how to apply can be accessed on the ISTECE Webpage, under scholarships.

OAS / ISTECE / USF Scholarships to participate in the ISTECE / USF Workshop

"Multidimensional Signal Processing: Theory in Practice" Department of Electrical Engineering / College of Engineering, University of South Florida, Florida, USA. July 8-12

Please refer to the section under EO news on the first page of this Quarterly Message