

Minutes
Workforce Development Council Meeting
October 29, 2007

The seventh meeting of the Workforce Development Council was called to order at 3:30 PM on October 29, 2007 in the North East Branch Campus Conference Room, Western Technical College, 9451 Diana Drive, El Paso, Texas.

Members Present

Dr. Richard T. Schoephoerster, Dean and Professor, College of Engineering, University of Texas at El Paso

Dr. Stephen P. Castillo, Dean, College of Engineering, New Mexico State University

Dr. Jerry D. Welch, Dean, Technical and Industrial Studies Division, Dona Ana Community College, New Mexico State University

Dr. Steven E. Smith, Dean, Mathematics, Occupational Education and Science, El Paso Community College

Dr. Rudi Schoenmackers, Associate Dean for Research, Engineering Research Center, and Director, Southwest Development Institute, New Mexico State University

Dr. Ann Quiroz Gates, Professor and Chair, Department of Computer Sciences, University of Texas at El Paso

Ms. Yolanda C. Ahner, Interim Associate Vice President of Workforce Development, El Paso Community College

Mr. Randy Kuykendall, Board Chair, Chief Executive Officer, Western Technical College

Mr. Bill Terrell, Board Chair, Chief Administrative Officer, Western Technical College

Mr. Rik Villarreal, Program Director, Microcomputer Technology, Western Technical College

Ms. Helen Garcia, Director, Career Services, Western Technical College

Mr. Jerry Martin, Director, Admissions, Western Technical College

Workforce Development Council Meeting Minutes (Cont)

Ms. Mary Cano, Campus Director, Western Technical College

Mr. Oscar A. Perez, Jr., Electronic Engineering, Physical Science Laboratory, New Mexico State University, and Western Technical College

Mr. Enrique Arzaga, Externship Coordinator – Microcomputer Department, Western Technical College

Ms. Sally L. Smoot, Chief, Civilian Personnel Advisory Center, White Sands Missile Range

Ms. Norma Galvan, Civilian Personnel, White Sands Missile Range

Mr. Charles R. Garcia, President and CEO, NewTec

Mr. William A. Smith, Vice President and CFO, NewTec

Mr. Roger D. Fate, Senior Vice President, NewTec at the Electronic Proving Ground, Fort Huachuca, Arizona

Mr. Vernon Diaz, Vice President, Operations, NewTec

Dr. David B. Soules, Vice President, Engineering, NewTec

Ms. Louise A. Wilkes, Department Manager, Human Resources, NewTec

Ms. Michele A. Villescas, Human Resources, NewTec

Mr. A. James Simonin, Technical Consultant, TRAX International, and NewTec Vice President, Engineering, Retired,

Dr. Gilbert F. Kelley, Chairman, Workforce Development Council, NewTec

Each member of the Council was represented except for New Mexico State at Alamogordo.

Workforce Development Council Meeting Minutes (Cont)

Introduction of the Attendees and Announcements

Mr. Rik Villarreal welcomed the Council to the Western Technical College and introduced the other attendees from the Western Technical College. Mr. Charles Garcia thanked the Western Technical College for hosting this Workforce Development Council meeting.

Approval of Minutes

The minutes of the July 9, 2007 meeting were accepted with no corrections, deletions, or additions.

Agenda

The agenda is at Attachment 1.

Information Items

Information Video on the Functions of the Electronic Proving Ground: Mr. Roger Fate, NewTec Senior Vice President and Program Manager for the NewTec Electronic Proving Ground Contract, presented an informational video on the functions of the contract at the Electronic Proving Ground (EPG). EPG is located at Fort Huachuca, Arizona near the city of Sierra Vista. EPG is the C4ISR system developmental tester for the United States Army. C4ISR is an acronym which stands for Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance. Their testing of C4ISR systems includes system characterization, assessment, experimentation, and test. EPG plans the tests, conducts the tests, and provides the results to the Army decision makers. Besides Fort Huachuca, EPG has operating locations at White Sands Missile Range, Fort Hood, Texas, and Fort Lewis, Washington. EPG requires personnel experienced in experimental design, instrumentation development, modeling and simulation, rapid prototyping, software development, and electromagnetic environments. NewTec (EPG) employs over 400 engineers, scientists, and technicians. NewTec (EPG) job postings for openings at Fort Huachuca, Fort Hood, and Fort Lewis may be accessed through the Workforce Development Web Site at <http://www.newtecllc.com/wdc>.

Presentation on the Computing Alliance for Hispanic-Serving Institutions: Dr. Ann Gates briefed the Council on the Computing Alliance for Hispanic-Serving

Workforce Development Council Meeting Minutes (Cont)

Institutions (CA-HSI). Her briefing charts are included at Attachment 2. The CA-HSI is a consortium of universities that are committed to increasing the number of Hispanics who earn baccalaureate and advanced degrees in computing. CA-HSI fosters a community that shares resources, establishes research and curricular collaborations, and disseminates best practices. CA-HSI is developing future Hispanic leaders while addressing the under-representation of Hispanics in computing. CA-HSI membership includes California State University at Dominguez Hills, Florida International University, New Mexico State University, Texas A&M Corpus Christi, the University of Houston Downtown, the University of Puerto Rico Mayaguez, and the University of Texas at El Paso. CA-HSI is also working with industry, private-sector partners, and faculty from research institutions who share its goals and support universities. One example of CA-HIS team members working with industry is the collaboration between UTEP and NewTec with respect to the Technology Workforce Development Project to increase the number of students graduating in computer science. The goals of the CA-HIS are as follows: 1) to increase the number of Hispanic students who enter the computing workforce with advanced degrees, 2) to support the retention and advancement of Hispanic faculty in computing, and 3) to develop and sustain competitive education and research programs at Hispanic Serving Institutions; are closely aligned with those of the Workforce Development Council.

Presentation on the Regional Educational Initiative: Mr. Oscar Perez briefed the Council on the objectives and activities of the Regional Educational Task Force. The Greater Las Cruces Chamber and the Mesilla Valley Economic Development Alliance have spearheaded the formation of a regional educational task force comprised of various leaders in education, business, and government to address the increasing number of youth that are not graduating from high school. The task force has been meeting since June, and a number of the Workforce Development Council members are also members of this task force. A recently released study, “High Cost of High School Dropouts: What the Nation Pays for Inadequate High Schools”, included an estimate that New Mexico would be \$3.1 billion richer, in the future, if all the state’s students, who started high school in 2003, had graduated last spring. If the drop out rate is not reversed, there is concern that we will not have sufficient numbers of skilled workers to meet our emerging economic developmental needs. Similar task forces are being formed in other communities to address these concerns as well.

It is not coincidental that NewTec initiated the formation of the Workforce Development Council in 2006. NewTec observed that, in the last ten years, the number of American college students graduating with degrees in technology, engineering, or science had dropped by 50%. NewTec’s highly technical workforce is aging and retirement is near for many. We are faced with severe competition for the young and

Workforce Development Council Meeting Minutes (Cont)

experienced talent that are available. The Workforce Development Council is helping NewTec meet that competition.

NMSU Announces New Courses:

NMSU recently announced a new upper division business course opened at White Sands Missile Range, Marketing 311.

The NMSU College of Engineering announced a new distance education program in Systems Engineering. This distance learning program offers options for completion of undergraduate and graduate degrees.

NMSU-DACC Has Ribbon Cutting Ceremony for Its Digital Imaging and Design Addition: The NMSU Dona Ana Community College celebrated the opening of their new Digital Imaging and Design Center, on the East Mesa Campus, with a ribbon cutting ceremony on September 21. The addition is devoted to training in several areas related to visual imaging and the technical and artistic aspects of visual design. These include architecture, modeling, graphic design, animation, and film. One of the educational objectives of the Center is to provide New Mexicans with the credentials and skills necessary to work in the film industry. When the center opened, there were eight feature films being made in New Mexico in addition to documentaries, television programs, and commercials. The film industry has been bringing in employees from California and elsewhere because there are not enough trained crew people on hand. To have local film crews on hand is a win-win for New Mexico and the film industry.

WTC and NewTec (EPG) to Sign Cooperative Education Agreement: Western Technical College and NewTec (EPG) have declared their intentions to sign a Co-Operative Education Agreement.

NewTec Plans to Form a Second Workforce Development Council with Arizona Educational Institutions: Because of the demonstrated success of the WDC for NewTec (WSMR) and the New Mexico and Texas educational institutions, NewTec (EPG) and TRAX International, Inc. joined the WDC to share the benefits. This then led to the idea to replicate the WDC benefits for the Arizona educational institutions. Because of the geographical distances involved, it was decided to form a new, but similar, WDC for Arizona with NewTec (EPG) and TRAX International, Inc. as members. NewTec (EPG) and TRAX International, Inc. will remain members of the New Mexico-Texas WDC. This will ensure the close communication among all the entities and will be a win-win situation for all the institutions involved. In effect, the WDC will be perhaps twice as

Workforce Development Council Meeting Minutes (Cont)

large with more job opportunities and more graduates available. NewTec will continue to report on their progress.

NMSU-DACC Professor and UTEP Physics Student Publish Their Astrophysical Discovery: Dr. Paul Mason, an NMSU-DACC associate professor in the Math and Physical Science Department, and Ms. Candace Gray, a physics student at the University of Texas at El Paso, predicted and proved that a magnetic cataclysmic variable star (CV) known as AR Ursae Majoris, part of a binary star system, emitted radio waves. Their discovery was published in the May 1, 2007, issue of the “Astrophysical Journal.” Mason and Gray developed a new model describing why some CV objects emit radio waves. The conventional theories predicted that the CV objects would definitely not emit radio waves. Their proposal to use the Very Large Array, near Socorro, to verify their model was accepted by a committee of astronomers, and they took data in 2003 and 2004 which showed CV radio emissions as they had predicted.

NewTec’s Employment Needs

Ms. Louise Wilkes briefed NewTec’s employment needs for 14 full time positions and one part time position. The list is included at Attachment 3. Louise also briefed that there has been 31 new hires which can be directly attributed to the Council’s efforts since it was formed. The list of the 31 hires is also included at Attachment 3.

NewTec (EPG) and TRAX International, Inc. Employment Needs

Roger Fate and Jim Simonin briefed the employment needs of NewTec (EPG) and TRAX International, Inc respectively. The TRAX list of skills that are needed are included at Attachment 3. The jobs at NewTec (EPG) are located at the Electronic Proving Ground near Sierra Vista, Arizona, and the TRAX positions are on their contract at the Yuma Proving Ground near Yuma, Arizona. Links to information on job openings at NewTec (EPG) and at the TRAX contract may be found at the WDC website, <http://www.newtecllc.com/wdc>. Also, information about the functions of the TRAX contract can be found at the EC III contract website, <http://www.eciii.com>.

NewTec Career Fair Attendance

Louise reported on the five career fairs that NewTec attended in September. These included career fairs at the University of New Mexico, New Mexico State University,

Workforce Development Council Meeting Minutes (Cont)

New Mexico Technical University, University of Texas at El Paso, and the Western Technical College in El Paso.

Activities Since Last Meeting

NewTec reported on the Council's activities since the last meeting. The briefing charts are included at Attachment 3.

WDC Website Additions: Gib reported that the WDC website has been enhanced and is 100% operational and ready to meet the Council's needs.

Wirefly X-Prize Cup Exposition Support: NewTec supported the 2007 Wirefly X Prize Cup Space Exposition. The exposition was held at Holloman Air Force Base on October 26, 27, and 28. October 27 and October 28 were open to the public, but October 26 was reserved for students. NewTec provided staff support for reception of the more than 7000 students who attended. On October 27 and 28 over 85,000 spectators enjoyed the activities.

New Co-Op Student Hired: Dave Soules reported that we recently hired another NMSU co-op student, Ms. Michelle Akin. She will be assisting us in the Media Services Section.

UTEP Professor Provides Consulting Support to NewTec: Dave reported that UTEP is assisting NewTec with support of a fracture mechanics analysis of a pressure vessel.

NewTec Supported NMSU Engineering Technology Department's Industrial Advisory Committee: Dave reported that he supported the NMSU (Main Campus) Engineering Technology Department's Industrial Advisory Committee on October 19. The meeting was well attended with several different focus groups meeting in different rooms in the Ed and Harold Foreman Engineering Complex. Dave's group was led by Associate Professor Thomas Jenkins. The thrust of the meeting was to provide an overview of the different degree programs offered and to provide an update on departmental status (number of students, number of graduating seniors, new developments, etc.) Various instructors presented condensed syllabi for each course. Throughout the meeting, input from advisory committee members was encouraged and recorded to assist the department with their efforts to keep degree programs and course content relevant for industry.

Workforce Development Council Meeting Minutes (Cont)

NewTec Attends NMSU Scholarship Activities: NewTec attended the NMSU Donor Recognition Dinner on October 17, 2007 at the Hotel Encanto and the Engineering Scholarship Breakfast on October 19 at NMSU. At the scholarship breakfast, we had the pleasant opportunity to meet many of the engineering students who are beneficiaries of the NewTec Workforce Development Scholarships.

Upcoming Events

NMSU-DACC Annual 2007 Advisory Board for Technical and Industrial Technology: Mr. Eric Husman, Manager of the NewTec Optical Services Department, and Dr. Gilbert Kelley, Chairman of the Workforce Development Council, will be attending the NMSU-DACC Advisory Board for Technical and Industrial Technology on November 2, 2007.

Career Days and Science Fairs: NewTec will be supporting career days at the Sun Ridge Middle School in El Paso on November 7 and at the White Sands Middle School on White Sands Missile Range on November 9. The topic at both schools will be Aerospace Engineering. NewTec will also support the White Sands Middle School Science Fair on November 8.

Review of Action Items from the Last Meeting

NewTec Funding of Scholarships and Engineering Projects: All action items are complete for 2007. NewTec has contributed \$25,000 to UTEP and NMSU respectively. UTEP and NewTec have established the NewTec Endowed Scholarship in Engineering. This endowment provides scholarships to College of Engineering students with preference for students in Computer Science, Electrical, or Mechanical Engineering. NMSU and NewTec have established two funds: The NewTec Workforce Development Scholarship Fund and The NewTec Workforce Development Engineering Project Fund.

WSMR Decision Regarding WDC Membership: Mr. Garcia and Ms. Smoot reported the membership decision was pending. **Action Item: Relay WSMR Decision to Mr. Garcia – Ms. Sally Smoot/WSMR**

New Topics for Action/Discussion

WSMR Employment Needs: Sally Smoot presented a number of announcements for employment opportunities at White Sands Missile Range. The announcements

Workforce Development Council Meeting Minutes (Cont)

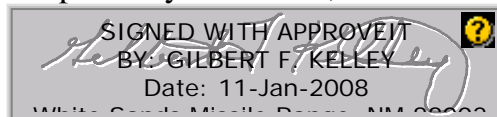
included mechanical engineers, computer engineers, electronic engineers, physicists, mathematicians, computer scientists, student trainee (computer engineering), student trainee (mechanical engineering), student trainee (electronics engineer), and investigative operations analyst. Sally said the details on these positions and information on the application and hiring process can be found at <http://jobsearch.usajobs.gov>. When on the site, perform a keyword for White Sands Missile Range. For future meetings, WSMR Employment Needs will be a standard agenda item.

Date, Location, and Time for the Next Meeting

The next meeting of the WDC will be in January. Jerry Welch, Dean of the Technical and Industrial Studies Division, Dona Ana Community College, graciously invited us to have our next meeting at their new Digital Imaging and Design Addition on the DACC East Campus in Las Cruces. The date and time will be announced at a later date.

There being no further business to discuss, the Workforce Development Council adjourned at 5:00 PM.

Respectfully submitted,

A digital signature box containing the text: "SIGNED WITH APPROVE/IT BY: GILBERT F. KELLEY Date: 11-Jan-2008". There is a question mark icon in the top right corner of the box.

SIGNED WITH APPROVE/IT
BY: GILBERT F. KELLEY
Date: 11-Jan-2008

Gilbert F. Kelley
Chairman

Attachments

1. Agenda
2. Briefing Charts on CA-HSI
3. Briefing Charts for WDC 10/29/07

10/29/07

Agenda for October 29, 2007 Workforce Development Council Meeting
3:30 PM – 5:00 PM, Western Technology College, North East Branch Campus
Conference Room, 9451 Diana Drive, El Paso, Texas

- Introduction of Attendees and Sign In
- Review of Meeting Agenda – All
- Review and Approval of Minutes from July 9, 2007 Meeting – Members
- Information Items
 - Video on NewTec’s Electronic Proving Ground Support – Fate
 - Presentation on the Computing Alliance for Hispanic-Serving Institutions – Dr. Ann Gates
 - Presentation on the Regional Educational Initiative – Mr. Oscar Perez
 - NMSU Announces Upper Division Business Course Taught at WSMR – Kelley
 - NMSU Announces New Options for Distance Learners – Kelley
 - NMSU-DACC Has Ribbon Cutting Ceremony for Digital Imaging and Design Addition – Kelley
 - Western Technology College and NewTec (EPG) to Sign Co-Operative Education Agreement – Fate
 - NewTec Plans to Form a Second NewTec Workforce Development Council with Arizona Educational Institutions - Simonin
- NewTec (WSMR) Employment Needs – Wilkes
- NewTec (WSMR) Recruitment Results – Wilkes
- NewTec (EPG) Employment Needs – Fate
- TRAX International (YPG) Employment Needs – Simonin

10/29/07

Agenda for October 29, 2007 Workforce Development Council Meeting
(Continued)

- Activities Since Last Meeting
 - Career Fairs Attended – Wilkes
 - WDC Website Additions Incorporated (<http://www.newtecllc.com/wdc>) – Kelley
 - Wirefly X Prize Cup and Holloman AFB Air and Space Exposition Support – Kelley
 - New Co-Op Student Hired – Soules
 - UTEP Professor Provides Consulting Support to NewTec – Soules
 - NMSU Engineering Technology Industry Advisory Committee Support – Soules
 - NMSU Scholarship Breakfast Attended – Kelley
- Upcoming Events
 - NMSU-DACC Annual 2007 Advisory Board for Technical and Industrial Technology – Kelley
 - Sun Ridge Middle School (El Paso) and White Sands Middle School Career Fairs – Kelley
- Additional Opportunities
 - New Mexico MESA Regional Competition – Kelley
 - White Sands School Science Fair – Kelley
 - MESA Student Visit to White Sands Missile Range – Kelley
- Review of Action Items from Last Meeting
 - NewTec Funding of Laboratories and Research Projects – Garcia

10/29/07

Agenda for October 29, 2007 Workforce Development Council Meeting
(Continued)

- New Action Items?
- Date, Location, and Time for Next Meeting – All



CAHSI

COMPUTING ALLIANCE OF HISPANIC-SERVING INSTITUTIONS

Ann Quiroz Gates, Professor and Chair
Department of Computer Science
University of Texas at El Paso

RECRUITING . RETAINING . ADVANCING

HISPANICS IN COMPUTING



Computing Alliance for Hispanic-Serving Institutions



- California State University-Dominguez Hills
- Florida International University
- New Mexico State University
- Texas A&M University-Corpus Christi
- University of Houston-Downtown
- University of Puerto Rico, Mayagüez
- University Texas at El Paso
- Hispanic Association of Colleges and Universities



CA-HSI is a consortium of eight institutions that are committed to increasing the number of Hispanics who earn baccalaureate and advanced degrees in computing.



Project Goals

1. Increase number of students who enter computing workforce with advanced degrees.
2. Support retention and advancement of Hispanic faculty in computing.
3. Develop and sustain competitive education and research programs at HSIs.

RECRUITING . RETAINING . ADVANCING

HISPANICS IN COMPUTING



Three-Prong Strategy

- Promote dialog
- Promote social science network
- Promote interventions

RECRUITING ■ RETAINING ■ ADVANCING

HISPANICS IN COMPUTING



Strategy: Promote Dialog

Bring together industry, professional associations and academic programs to:

- **promote awareness of funding and internship opportunities**
- **build CS programs**
- **identify other supporting efforts**



Strategy: Promote Dialog

IBM Academic Initiative

Provide software, information, expertise, curriculum development, faculty training and development, and other activities and resources

Engage with four (4) CAHSI members in first year, remaining Alliance members in second year



Other: American Competitiveness Initiative, DOE, GEM, SACNAS, Ford PAS, Microsoft, UT Austin, Virginia Tech



Strategy: Promote Social Science Network

Establish a network of social scientists who are active in research, policy development and evaluation of programs that center on the success of Hispanic students and faculty in science and engineering.

- **Lecia Barker and Tim Weston, Atlas Assessment and Research, U Colorado Boulder**
- **Carlos Ramirez, American Institutes for Research**
- **Maricel Quintana Baker, Virginia State Council of Higher Education**
- **Amaury Nora, U of Houston**
- **Alex Ramirez, HACU**



Strategy: Promote Interventions

Implement a variety of interventions that support students at the critical stage of the academic pipeline. These have been chosen to address the causes of under-representation of Hispanics in computing.



Intervention: CS0

- Adoption of pre-CS courses that use graphics and animation to engage and prepare students who have no prior experience
- Lead: UHD and CSU-DH
- Adoption by: NMSU, UTEP, TAMU-CC
 - Guzdial's Media Computation course
 - Alice
- Initial results
 - More women enrolled than would be expected given national numbers
 - Confidence in math and science correlated with problem solving and enjoying challenges
 - Majority of students do not see computer science and programming as the same
 - Students who previously expressed little interest in computing
 - Indicated motivation to continue studies
 - Wanted to know how it applies to their majors/interests and how computers work in general



Intervention: Peer-Led Team Learning

- Proven strategy for retention
- Active learning experience for students
- Lead: NMSU (peer mentoring), UHD (PLTL)
- Adoption by: UTEP, CSU-DH, and TAMU-CC
- Several workshops and training offered
- Expected outcomes
 - Improved grades
 - Better problem solving and collaborative learning skills
 - Improved understanding of concepts
 - Motivation to continue in CS.
 - Growth in leadership skills for peer leaders
 - Deeper understanding of CS for peer leaders



Intervention: Undergraduate Research

- Affinity Research Group model and UG research courses emphasize development of student research skills
- Lead: UPR-M and UTEP
- Adopted by institutions: NMSU, CSU-DH, UHD, and TAMU-CC
- Several workshops and training offered





Intervention: Development Workshops

- Target Hispanic students and faculty
- Focus on development of effective skills for career and academic success

- Lead: UPR-M
- First faculty workshop will be held in collaboration with TAMU (Valerie Taylor)
 - Target: Young Hispanic faculty and Ph.D. students
 - Place: 2007 Academic workshop at TAMU
- First graduate student workshop will be held at 2nd Annual CA-HSI meeting



Intervention: On-Line Resources

- Publication of on-line resources for student and faculty development.
- Lead: FIU and HACU
- Resources include:
 - Effective and best practices
 - Studies and data to promote understanding of issues
 - Opportunities (scholarships, internships, workshops)
 - Testimonials
- In progress



CA-HSI Advisory Board

- **Members**
 - Andrew Bernat, Computing Research Association
 - Wayne Johnson, Hewlett-Packard Development Company
 - Maricel Quintana-Baker, State Council of Higher Education for Virginia
 - Irene Hernandez Roberts, Master Inventor, IBM Innovation Centers for Business Partners
 - Robert B. Schnabel, Dean School of Informatics, Indiana University
 - Richard A. Tapia, Professor, Rice University
- **Charge**
 - to review and provide suggestions regarding the Alliance activities, evaluation, and dissemination efforts in meeting the Alliance goals, and
 - to make recommendations regarding the strategic direction of the Alliance.



First Annual Meeting Highlights

- *Innovation and Globalization, Skills for the 21st Century*, Ed Kahan, IBM Fellow, CTO of IBM Software Group
- *Building Research Capacity at HSIs*
Jose Munoz, Deputy Office Director, Office of Cyberinfrastructure
- Social Science Network panel on *Research on Hispanic students in STEM*
- Student posters



Second Annual Meeting

- Place: Hyatt Regency-Miami Florida
- Dates: Workshops and Posters-December 14-15
Meeting: December 16
- Theme: Maintaining U.S. competitiveness in science and technology
- Speakers
 - Peter Freeman, Emeritus Dean and Professor, Georgia Tech, Director of the Washington Advisory Group
 - Thomas Sterling, Chief Scientist Center for Computation & Technology, Louisiana State/Cal Tech
 - Bill Silva, Federal High Performance Computing, Microsoft
 - Monica Martinez-Canales, Principal member Technical staff, SNL
 - Diana Gomez, President of SHPE
 - Judit Camacho, Executive Director SACNAS



Contact Information

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- Project Coordinator:
Mary E. Contreras
915-747-5992

Information Items

- **Video on NewTec's Electronic Proving Ground Support**
- **Presentation on Computing Alliance for Hispanic-Serving Institutions**
- **Presentation on Regional Educational Initiative**
- **NMSU Announces**
 - **Upper Division Business Course (Marketing 311) Taught at White Sands Missile Range**
 - **New Options for Distance Learners at the Undergraduate and Graduate Levels**

Information Items (Cont)

- **NMSU-Doña Ana Community College Opens Digital Imaging and Design Addition on Their East Mesa Campus with Ribbon Cutting Ceremony**
- **Western Technical College and NewTec (EPG) to Sign Cooperative Education Agreement**
- **NewTec Plans to Form a Second Workforce Development Council with Arizona Educational Institutions**

NewTec (WSMR) Employment Needs

- **Telecommunications Tech: 1 at WSMR**
- **Optical Systems Tech C: 3 at HAFB**
- **Engineering Tech C: 1 at Stallion**
- **Mechanical Tech C: 1 at WSMR**
- **Electronic Tech C: 2 at WSMR, 1 STALLION**
- **TTF A/C Mechanic A - WSMR**
- **Information Technician Engineer: 1 at WSMR**
- **RF Software Engineer: 1 at WSMR**
- **System Software Integration Engineer: 1 at WSMR**
- **Flight Termination System Engineer: 1 PT WSMR**
- **Information Tech & Test Support Engineer: 1 WSMR**
- **Project Analyst: 1 WSMR**

NewTec (WSMR) Recruitment Results

- **Total hires: 31 Since Beginning of WDC**
 - ✓ **3 Electronic Technicians**
 - ✓ **2 Optical Systems Technicians**
 - ✓ **3 Engineering Technicians**
 - ✓ **2 Telecommunications Technicians**
 - ✓ **1 Warheads Test Control Technician**
 - ✓ **1 Frequency Monitoring Electronic Technician Specialist**
 - ✓ **1 Group Leader – Launch Support**
 - ✓ **1 Systems Administrator**
 - ✓ **1 Digital Network Migration Systems Engineer**
 - ✓ **1 Digital Imaging Software Engineer**
 - ✓ **1 Software Systems Integration Engineer**
 - ✓ **2 Mechanical Design Engineers**
 - ✓ **2 Small Arms Range Field Engineers**
 - ✓ **3 Project Engineers**
 - ✓ **3 CoOps: 2 - Electromagnetic & Nuclear Engineering Test Support Aides (UTEP); 1 – Technical Writer/Editor (NMSU) 4**

TRAX International (YPG) Employment Needs

- **Electronic Technicians, Engineering Technicians, Explosive Ordnance Technicians**
- **Industrial Engineers, Instrumentation Engineers, Mechanical Engineers, Electrical Engineers, Test Engineers**
- **GIS Data Base Programmers**
- **GSM Telecommunications, GSM Field Engineer, GSM Technician, GSM Operator**

TRAX International (YPG) Employment Needs (Cont)

- **Travel Clerk, HR Specialist, Personnel Assistant, Administrative Assistant, General Clerk, Word Processors, Reporting Assistant, Material Expediter, Visitor Control Clerk, Technical Writers**
- **Information Technology Specialists, Computer Programmers**
- **Test Data Analysts**
- **Heavy Equipment Mechanics, Generator Mechanics, Weapons and Communications Specialists**
- **Maintenance Trades Helpers, Test Drivers, Automotive Workers**



NewTec Career Fair Attendance

- **UNM, ALBUQUERQUE, 13 September – David Soules**
- **NMSU, LAS CRUCES, 19 September - HR**
- **NM TECH, SOCORRO, 20 September – Dale Key,
Telemetry/Timing**
- **UTEP, EL PASO, 21 September – HR and Perry Hutchison,
Engineering**
- **WESTERN TECH COLLEGE, EL PASO, 26 September
- HR and Chris Garcia, Telemetry/Timing**



Activities Since Last Meeting

- **WDC Website Additions**
(<http://www.newtecllc.com/wdc>)
- **Wirefly X Prize Cup and Holloman AFB Air and Space Exposition Support**
- **New Co-op Student Hired**
- **UTEP Professor Provides Consulting Support to NewTec**
- **NMSU Engineering Technology Industry Advisory Committee Support**
- **NMSU Scholarship Breakfast Attended**
- **Santa Teresa High School, El Paso, Career Day Attended**

Upcoming Events

- **NMSU-DACC Annual 2007 Advisory Board Meeting for Technical and Industrial Technology**
- **Sun Ridge Middle School (El Paso) and White Sands Middle School (WSMR) Career Days**

Additional Opportunities

- **New Mexico MESA (Mathematics, Engineering, and Science Achievement) Regional Competition**
- **White Sands School Science Fair**
- **MESA Student Visit to White Sands Missile Range**



Review of Action Items from Last Meeting

- **NewTec Funding of Laboratories and Research Projects**



New Action Items?

Next WDC Meeting

- **Date: Quarterly, Next in January**
- **Place: At NMSU?**
- **Time: To Be Determined**