

Program Announcement

Texas Higher Education Coordinating Board

P. O. Box 12788

Austin, Texas 78711-2788



April 24, 2003

Program Announcement – The Higher Education Coordinating Board authorizes the Commissioner to publish a Program Announcement for the 2003 grant program. The Program Announcement is posted on the agency's website.

May 30, 2003

Rosters – Institutions submit spring 2003 student rosters via the tracking system website by this date.

August 11, 2003

Proposals – Deadline for receipt of all TWD proposals is 5 p.m.; postmark deadline is August 8.

October 31, 2003

Awards – The Higher Education Coordinating Board announces the 2003 grants. Results of the competition are posted on the agency's website.

November 21, 2003

Rosters – Institutions submit fall 2003 student rosters via the tracking system website by this date.

January 1, 2004

Proposals – Start of new grant period.

Texas Higher Education Coordinating Board

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Coordinating Board Mission

The mission of the Texas Higher Education Coordinating Board is to provide the Legislature advice and comprehensive planning capability for higher education, to coordinate the effective delivery of higher education, to administer efficiently assigned statewide programs, and to advance higher education for the people of Texas.

Coordinating Board Philosophy

The Texas Higher Education Coordinating Board will promote access to quality higher education across the state with the conviction that access without quality is mediocrity and that quality without access is unacceptable. The Board will be open, ethical, responsive, and committed to public service. The Board will approach its work with a sense of purpose and responsibility to the people of Texas and is committed to the best use of public monies.

The Texas Higher Education Coordinating Board does not discriminate on the basis of race, color, national origin, gender, religion, age or disability in employment or the provision of services.

Technology Workforce Development Grants Program - 2003

Cautionary Note

This proposal announcement is being published to expedite implementation of the Texas Technology Workforce Development (TWD) Grants Program in its second biennium. As of the date of its publication, however, matching funds provided by the Legislature are not available and the Texas Engineering and Technical Consortium (TETC) is continuing its fund raising effort. The Higher Education Coordinating Board is unable to guarantee that the schedule described in this document can be followed or that any grants will eventually be made as a result of this solicitation.

Background and Purpose

The 77th Texas Legislature and the Governor adopted the Technology Workforce Development Act (Senate Bill 353) in May 2001. The purpose of the Act is to increase both the quantity and quality of baccalaureate-level engineers and computer scientists produced in Texas universities.

The Act authorized the creation of the Texas Engineering and Technical Consortium (TETC), a non-profit consortium of Texas public and independent universities that offer engineering and computer science programs and technology companies that employ graduates of those programs. The consortium's purpose is to foster cooperative relationships and activities involving technology companies and universities that offer engineering and computer science degrees.

The Act also created a grant program that the Texas Higher Education Coordinating Board administers. At publication time, the Legislature had not finalized the appropriation for the grant program for the 2004-2005 biennium. Any appropriation will be made under the condition that expenditures from these funds be matched by an equivalent sum raised from other sources by consortium members.

The purpose of the grant program is to provide seed money that would enable institutions to expand enrollments in engineering and computer science programs. The program carries the intent that institutions will use grant funds to expand enrollment, and that these increases would be sustained in future years with increased formula funding provided by the Legislature and used by institutions to increase budgets for the enlarged programs. The current emphasis of the grant program is on electrical engineering and computer science. Electrical engineering includes related disciplines such as computer engineering and telecommunications engineering. *The Coordinating Board is considering a grant competition including other fields of engineering in even-numbered years.*

The enabling legislation authorizes a broad range of activities including:

- (1) increase the number of graduates with baccalaureate degrees in engineering and computer science;
- (2) increase the size of engineering and computer science programs;
- (3) recruit students to enter engineering and computer science programs, including:
 - (A) students from groups or backgrounds that are traditionally underrepresented in the fields of engineering and computer science, including female students; and
 - (B) students from public community colleges, private junior colleges, public technical colleges, and private institutes;

- (4) provide scholarships for students in engineering and computer science programs;
- (5) provide retention and mentoring programs for students in engineering and computer science programs;
- (6) provide supplemental compensation for faculty and support personnel in engineering and computer science departments;
- (7) provide research and laboratory equipment to engineering and computer science departments;
- (8) provide for distance learning programs in engineering and computer science; and
- (9) fund other related activities.

The Act that created the grant program also mandated the creation of an advisory committee composed of six industry members and five academic members to provide oversight to the grant program. It also specified that a competitive, peer review process would select proposals for awards.

The 2003 competition will provide the second cycle of grants under the Technology Workforce Development grant program. Proposals for both new and current TWD projects are invited. *Proposals for this cycle of competition must stand on their own and will not be granted merely for continuation of previous work.*

Eligible Institutions and Number of Proposals

Institutions that are members of the TETC and agree to participate in the Texas Higher Education Coordinating Board's Technology Workforce Tracking System are eligible to submit proposals and participate in the grant program.

The following baccalaureate degree programs are eligible to compete in the grant program:

- Texas public universities:
 - computer science programs
 - engineering programs accredited by the Accreditation Board for Engineering and Technology (The 2003 grant program is restricted to electrical engineering and related programs, such as computer engineering and telecommunication.)
- Texas independent universities:
 - electrical engineering programs accredited by the Accreditation Board for Engineering and Technology

Independent institutions must match grant funds provided by the state for the proposed activity.

For further information on the consortium, contact Helen Manning at hmanning25@hotmail.com or 512-423-8515. For further information on the Technology Workforce Tracking System, contact Reinold Cornelius at Reinold.Cornelius@theccb.state.tx.us or 512-427-6150.

Each institution may submit a single, 'sole,' proposal for each program. For example, an institution with an eligible electrical engineering program and an eligible computer science program could submit two proposals. An institution with only an eligible computer science program could submit one proposal.

In addition, each institution may participate in one 'joint' proposal for each eligible program. A joint proposal is a proposal submitted by multiple collaborating eligible institutions, embarking on common strategies together.

In addition, each institution may participate in an intern recruiting proposal. An intern recruiting proposal is a proposal prepared by the host institution of the consortium for the purpose of establishing an intern recruiting project for all participating programs. Each eligible program may participate in the intern recruiting proposal, regardless of other joint or sole proposals.

Measuring Progress

The goal of the grant program is to increase the number of graduates. While some increase in graduates can be obtained in the near term by increased retention, in general, it requires four to six years to produce a graduate, so three pre-graduation enrollment measures are defined.

Participating institutions will track all four measures:

ENTERING – a student with a declared major in the eligible engineering or computer science programs who has a GPA of at least 2.0 or is in good standing during the first semester of enrollment and who has not yet completed both the semester credit and course requirements for “Progressing” students.

PROGRESSING – a student with a declared in the eligible engineering or computer science programs who has a GPA of at least 2.0 and who has completed between 30 and 89 semester credits that count toward his or her degree, including two semesters of calculus and two semesters of a required science course.

ADVANCED – a student who has been admitted to an eligible engineering or computer science degree program and who has accumulated at least 90 semester credits that count toward his or her degree with a GPA of at least 2.0.

GRAD – a student who was awarded a baccalaureate degree from an eligible engineering or computer science program during the previous 12-month period from the beginning of the present semester.

Institutions will use the Coordinating Board’s Technology Workforce Tracking System at <http://www.thecb.state.tx.us/techworkforce/> to report progress in increasing the numbers of students at each level. The System is password protected. Contact Reinold Cornelius for access to the system at Reinold.Cornelius@thecb.state.tx.us or 512-427-6150.

Proposals must include summary data for fall 2002, with explicit enrollment goals in each category for fall 2004 and fall 2005 and strategies for achieving those goals.

Resources Available

Resources available for this grant program will depend upon funds made available through the Texas Engineering and Technical Consortium and matching funds appropriated by the Texas Legislature. The Texas Comptroller of Public Accounts is responsible for determining the available grant funds.

Electrical Engineering Program (Including related programs such as computer engineering, and telecom engineering)

- Amount to be determined

Computer Sciences Program

- Amount to be determined

The Coordinating Board may open a competition for other engineering programs in even-numbered years if industry consortium members offer designated donations and if the State Legislature allows appropriations to be carried into the next biennium.

Proposal Format

Each proposal should consist of the following elements, in the order shown:

- Cover page – use form provided on page Proposal-1
- Proposal summary – use form provided on page Proposal-2
- Proposal budget – use form provided on page Proposal-3
(Independent institutions need to list mandated match of state contributions.)
- Proposal body (8 double-spaced pages, maximum for sole proposals; 12 pages for joint proposals)
 - *Description of undergraduate program* [electrical engineering or computer science]
 - overview of historical and fall 2002 enrollments (ENTERING, PROGRESSING, ADVANCED, and GRAD) – provide numbers, quality indicators, and gender/ethnic breakdown
 - baccalaureate graduates over the last four years
 - placement experience during the present fiscal year
 - expansion goals for fall 2004 and fall 2005 (ENTERING, PROGRESSING, ADVANCED, and GRAD)
 - description of faculty who taught in the program during the current fiscal year
 - *Strategies for reaching expansion goals*
 - proposals should be structured in such a way that individual strategies could be funded, if desired
 - impediments to reaching expansion goals
 - responsibilities of key personnel
 - *Plans for achieving self-sustainability of expanded program*
 - *Description of project assessment process*
 - *Budget justification*, including
 - description of any additional support to be provided by the institution, industry, federal grants, etc.
 - indicate the cost associated with each strategy
- Attachment – One-page resumes of key personnel (may be single-spaced)
- Other attachments (Reading these is optional for reviewers)

How to Submit Proposals

Proposals will be accepted from Sponsored Programs Officers or other designated officials only. Mail one signed original and five copies of each proposal to:

Technology Workforce Development Grant Program
Finance, Campus Planning, and Research Division
Texas Higher Education Coordinating Board
P. O. Box 12788
Austin, TX 78711-2788

If the proposals are sent by overnight delivery service or are hand-delivered, the address is Texas Higher Education Coordinating Board, Room 3.230, 1200 East Anderson Lane, Austin, TX 78752, telephone (512) 427-6130.

The deadline for receipt of proposals is 5 p.m. on August 11, 2003. Proposals that have a postmark of August 8, 2003 will be considered timely.

Proposal Review

Teams of external peer reviewers will review each proposal and rank those that they deem appropriate for funding. The Coordinating Board's Technology Workforce Grant Advisory Committee will review these rankings and make a recommendation to the Coordinating Board. See the back cover of this document for members of this committee. The Coordinating Board will make the final decision regarding funding of proposals.

Proposals will be selected based on assessments of: (a) program quality; (b) feasibility of expansion plans, and (c) cost effectiveness of proposed plan. See Appendix B for additional information on selection criteria.

Awards

Awards shall be for the period January 1, 2004 through August 31, 2006, pending approval to carry funds forward into the following biennium. However, it may be the case that funding for individual awards will be "phased in" over time as funds become available or that proposals will be only partially funded by funding specific strategies within proposals.

Awards are subject to revocation or modification if the fall 2004 enrollment/graduation goals are not met or if grant conditions are not satisfied.

For public universities, the Office of the State Comptroller will set up an account against which monetary expenditures may be made. In-kind awards may be used as appropriate.

For independent universities warrants will be issued. In-kind awards may be used as appropriate. The Act requires that independent institutions match any state contribution.

See Appendix A for additional grant conditions.

Appendix A

Technology Workforce Development Grants Program – 2003

GRANT CONDITIONS

1. **Organizational accountability system**

Each grantee institution shall have a system established in writing to ensure that appropriate officials provide necessary organizational reviews and approvals for the expenditure of funds and for monitoring project performance and adherence to grant terms and conditions. The grantee institution agrees to audit a project with its internal audit staff and to furnish a copy of audit conducted to the Coordinating Board.

2. **Audit and records**

Financial records, supporting documents, statistical records and other material pertinent to this grant shall be retained by the grantee for three years following submission of the final project report and shall be made available to the Coordinating Board upon request. This material, the organizational prior-approval system, and the internal project audits are subject to review by the State Auditor and by Coordinating Board staff.

3. **Allowable costs**

All reasonable costs are allowable with the following exceptions:

- No overhead may be charged to these funds.
- Independent institutions may include fringe benefits in project costs.
- Public institutions may include fringe benefit costs in proposal budgets. The funding source for this program was not established at the time of publication of this Program Announcement. If program funds are appropriated from general revenue, the funds to pay fringe benefits at public institutions are expected to come from institutional fringe benefit lines rather than grant monies. The Coordinating Board will provide clarification regarding payment of fringe benefits from grant funds when the budgets are approved for awarded grants.
- Capital equipment will be defined by the grantee institution.
- Capital equipment included in project costs must be specifically listed and justified.
- Only capital equipment specifically listed in the approved equipment list may be purchased with grant funds.
- No equipment may be purchased after June 1, 2005 without prior Coordinating Board approval.
- Over the life of the grant, no more than a cumulative total of \$10,000 may be moved across budget categories (personnel/permanent equipment/travel/

direct other costs) without prior Coordinating Board approval.

- Foreign travel is an allowable charge against the grant only if it appears on the approved project budget.

Additional budget changes will require completion of a Budget Change Request form and submission through the institution's Office of Sponsored Projects (or its equivalent) to the Coordinating Board for approval.

4. **Standards for financial management systems**

Institutions shall account for the receipt and disbursement of all monies by generally accepted accounting practices and the State of Texas Uniform Grant Management Standards (UGMS), to the extent applicable. Grantee institution shall open to inspection all books and records reflecting transactions hereunder to Coordinating Board, its staff, or anyone authorized by the Coordinating Board to inspect such books and records.

5. **Payments**

The grantee institution shall receive payments under this grant through the Office of the State Comptroller.

6. **Title to equipment**

Title to equipment purchased or fabricated with these funds shall vest in the grantee institution.

7. **Site visits**

The Coordinating Board and/or its representatives shall have the right to make site visits to review project accomplishments.

8. **Notification of absence**

The Coordinating Board shall be notified prior to a project leader's absence from campus for a period of more than six weeks.

9. **Changes in project leader**

If a project leader leaves the grantee institution or otherwise relinquishes active direction of the project, the institution must notify the Coordinating Board before the project leader leaves. Awards may not be transferred.

10. **Progress reports**

One copy of a progress report shall be submitted to the Division of Finance, Campus Planning, and Research of the Coordinating Board by August 1 of each year during which the grant is active. The progress report format is specified by the Board.

11. **Final report**
Within 30 days of the expiration of the grant, the grantee must file a final project report with the Coordinating Board in a format specified by the Board. Within 90 days of the expiration of the grant, the grantee institution must file a final financial report with the Coordinating Board that contains information on the final disbursement of funds. At the end of the grant period, unexpended funds shall be returned to the Coordinating Board.
12. **Suspension or termination**
This grant may be suspended or terminated if the grantee fails to comply with the terms and conditions of the grant or if the project leader(s) leaves the university.
13. **Conflict of Interest**
The grantee institution must notify the Coordinating Board of any potential conflicts of interest that arise prior to or during the grant period due to relationships between the project leaders or other members of the project team and any industrial collaborator(s).
14. **Nondiscrimination**
No person shall be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination under this grant on grounds of race, color, national origin, religious affiliation, handicap or gender.
15. **Compliance with regulations**
The project leader must abide by all state and federal regulations related to conduct of this grant.
16. **Dissemination of project results**
The grantee is expected to publish or otherwise make publicly available the results of the work conducted under the grant. Publication in popular media as well as scholarly journals is encouraged. One reprint of any publication should be made available to the Division of Finance, Campus Planning, and Research of the Coordinating Board on request.
17. **Acknowledgment of support**
An acknowledgment of Coordinating Board support must appear in any publication of any material based on this project in terms such as the following:
"This material is based in part upon work supported by the Texas Technology Workforce Development Program under Grant No. _____."
18. **Technology Workforce Tracking**
Grantee institution agrees to maintain accurate data on the Board's Technology Workforce Tracking System for the duration of the grant and four additional years.
19. **Retention of Formula Funding**
Grantee institution agrees to pass on to the appropriate college or department any increased formula funding that results from increased undergraduate enrollment in engineering or computer science programs.
20. **Copyright or patent rights**
The project leader shall abide by the intellectual property policy of his/her institution.
21. **Liability**
The Texas Higher Education Coordinating Board shall not be held liable for damages to people or property that may occur in the course of activities conducted as a result of this grant.
22. **Dispute resolution process**
The dispute resolution process provided for in Chapter 2260 of the Texas Government Code must be used by the Coordinating Board and the grantee institution to attempt to resolve all disputes arising under these grants.

Appendix B

Texas Technology Workforce Development Grants Selection Criteria

Program Quality (30 percent) – an assessment of the quality of the instructional program provided to students in the undergraduate program.

Evidence that institutions could provide:

- Qualifications of faculty teaching in the undergraduate program
- Accreditation status of program
- Information indicating adequacy of laboratory and other facilities
- Historical percentage of upper-division undergraduate courses taught by tenured and tenure-track faculty
- Placement record
- Other information

Feasibility of Proposed Strategy (40 percent) – an assessment of the likelihood that the proposed strategy will successfully achieve the proposed increases. A comparison with historic implementations of equivalent strategies as well as a nationwide comparison of feasibility and success should be included.

Evidence that institutions could provide:

- Past enrollment data
- Data indicating historical demand for the program
- Previous experience using the proposed strategy at that institution
- Previous experience using the proposed strategy at other institutions
- Project assessment process
- Other information

Cost-Effectiveness of Proposed Strategy (30 percent) – an assessment of the likely result if the proposal is funded. The proposal should spell out the effect of the new proposed project on the existing program quality (curriculum and facilities, etc.). It may be important to include collaborations with other institutions, even for sole proposals.

Evidence that institutions could provide:

- Costs for increases in students in the program and graduates
- Data on program quality, placement, and feasibility
- Commitment to the project and support by the institution
- Plans for achieving self-sustainability
- Other information

Texas Technology Workforce Development Grant Program – 2003
Proposal Cover Page

Leave Blank	Discipline (Check one): <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Computer Science			
Name and Address of Submitting Organization to which award should be made (include branch/campus/other components)	Is this a joint proposal with another institution? No _____ Yes _____ If yes, please complete this block and Page Proposal – 1A. Name(s) of collaborating institution(s) and amounts requested for each institution. (NOTE: Collaborating institution(s) must be eligible institution(s) as defined under program guidelines) <div style="text-align: center; margin-top: 10px;"> <table style="width: 100%; border: none;"> <tr> <td style="border: none;"><u>Institution</u></td> <td style="border: none; text-align: right;"><u>Requested Amount</u></td> </tr> </table> </div>		<u>Institution</u>	<u>Requested Amount</u>
<u>Institution</u>	<u>Requested Amount</u>			
Title of Proposed Project (maximum of 100 characters)	Total Amount Requested for Project			
By signing below, the institution certifies that: <ol style="list-style-type: none"> (1) it is committed to enlarging its electrical engineering and/or computer science program and achieving the enrollment and graduation goals included in this proposal; (2) it will pass on to the appropriate college and department in subsequent biennia any increased formula funding that results from these increased enrollments (Grant Condition Number 19); (3) the institution has a written Organizational Accountability System in place as described in Grant Condition Number 1; and (4) this grant would not supplant funds that would otherwise accrue to the program. 				
Project Leader's Name: (type or print) Phone Number: _____ Fax Number: _____ E-mail Address: _____ Mailing Address: _____ Signature: _____	Co-Leader's Name: (from same institution) Phone Number: _____ Fax Number: _____ E-mail Address: _____ Mailing Address: _____ Signature: _____			
Authorized Institutional Representative's Name: (type or print) Title: _____ Phone Number: _____ Fax Number: _____ E-Mail Address: _____ Mailing Address: _____ Signature: _____	University President or Dean (type or print) Title: _____ Phone Number: _____ Fax Number: _____ E-Mail Address: _____ Mailing Address: _____ Signature: _____			

Texas Technology Workforce Development Grant Program - 2003
Additional Cover Page for Collaborative Proposals

(multiple copies of this page may be submitted if necessary)

Collaborating Institution Name	Collaborating Institutional Representative's Name (type or print)
Collaborating Project Leader's Name	Title
Phone FAX	Phone FAX
E-mail Address	E-mail Address
Mailing Address	Mailing Address
Signature: _____	Signature: _____ Date: _____

Collaborating Institution Name	Collaborating Institutional Representative's Name (type or print)
Collaborating Project Leader's Name	Title
Phone FAX	Phone FAX
E-mail Address	E-mail Address
Mailing Address	Mailing Address
Signature: _____	Signature: _____ Date: _____

Collaborating Institution Name	Collaborating Institutional Representative's Name (type or print)
Collaborating Project Leader's Name	Title
Phone FAX	Phone FAX
E-mail Address	E-mail Address
Mailing Address	Mailing Address
Signature: _____	Signature: _____ Date: _____

Technology Workforce Development Grant Program – 2003

Project Summary

Leave Blank	Project Leader(s)	Institution
Discipline ("X" one) <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Computer Science		Project Leader's Mailing Address (including department), Phone Number and Internet Address
Title of Proposal		

NOTE: This summary should be suitable for public release. (11-point minimum font size.)

GOALS AND COSTS

	Entering Students (see definition)	Progressing Students (see definition)	Advanced Students (see definition)	Graduated Students (see definition)
(1) Fall 2002 Headcount according to THECB Tracking System				
(2) Goal: Fall 2003 to fall 2004 headcount increase; i.e., projected fall 2004 headcount less projected fall 2003 headcount				
(3) Goal: Fall 2003 to fall 2005 headcount increase, e.g., projected fall 2005 headcount less projected fall 2003 headcount				
(4) Cost of achieving two-year goal at each enrollment measure. (see note 1)				
(5) Dollars per student increase; i.e., (4) divided by (3).				

Notes: 1. Sum of dollars per enrollment measure must equal requested amount (on Proposal Cover Page).

Strategies for achieving goals: (Indicate the dollar cost of each strategy)

(continue on reverse)

Strategies for achieving goals (continued):

Technology Workforce Development Grant Program – 2003

Proposal Budget

Leave Blank	Project Leader(s)	Institution:	
Program: (Check One) <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Computer Science Proposal Title (maximum of 100 characters)		Project Leader's Mailing Address (include department)	
A. Personnel (show number of people in brackets)		Totals	Indep. Inst. Only: Matching Funds Budget
	1.	() Project Leader/Co-Project Leader	
	2.	() Other tenure-track faculty	
	3.	() Other Professionals (technician, programmer, etc.)	
	4.	() Non-tenure – track faculty	
	5.	() Graduate Students/Post-Doctoral	
	6.	() Undergraduate Students	
	7.	() Secretarial – Clerical	
	8.	() Other	
		Sub – Total Salaries and Wages	
Fringe Benefits			
		Total – Salaries, Wages and Fringe Benefits	
B. Capital Equipment: All capital equipment included in project costs must be specifically listed and justified on page Proposal – 4. No capital equipment may be purchased after June 1, 2003 without prior Coordinating Board approval.			
		Total – Capital Equipment	
C. Travel			
	1.	Domestic (including Canada, Mexico and U.S. possessions)	
	2.	Foreign (see grant conditions)	
		Total – Travel	
D. Other Direct Cost			
	1.	Materials and Supplies	
	2.	Scholarships	
	3.	Conference Registration Fees/Publication Costs	
	4.	Computer (ADPE) Services	
	5.	Subcontracts/Consultant Services	
	6.	Other (specify):	
		Total – Other Direct Costs	
Total Direct Costs:			
Total In-Kind (Specify):			
Total Requested Amount (must agree with amount on Proposal Cover Page)			
Project Leader's Typed Name and Signature (required only prior to funding)			
Signature: _____ Date: _____			
Institutional Representative's Typed Name, Title and Signature (required only prior to funding): I hereby certify that I have read and agree to comply with all grant conditions of this grant and agree to return to the Coordinating Board any funds not expended in compliance with those conditions.			
Signature: _____ Date: _____			

Capital Equipment List

Capital equipment included in project costs must be specifically listed and justified.
 Only capital equipment specifically listed in the approved equipment list may be purchased with grant funds.

Capital equipment is defined by the grantee institution.

Leave Blank	Project Leader(s)	Institution
Description and Justification		Cost
Total Cost of Requested Capital Equipment		

NEED MORE INFORMATION?

For more information about the program, contact:

Dr. Reinold R. Cornelius
Program Director
Finance, Campus Planning and Research Division
Texas Higher Education Coordinating Board
P.O. Box 12788
Austin, TX 78711-2788
Phone: (512) 427-6150
FAX: (512) 427-6147
e-mail: Reinold.Cornelius@thehb.state.tx.us

Texas Higher Education Coordinating Board
Technology Workforce Development Advisory Committee

Mr. Torrence H. Robinson, Chair Public Affairs Director Texas Instruments, Inc. Dallas, TX	(2004)*	Ms. Sue Snyder Government Affairs Director AMD Austin, TX	(2003)*
Dr. Moonis Ali Chairman and Professor of Computer Science Southwest Texas State University San Marcos, TX	(2005)*	Dr. Ben Streetman Dean, College of Engineering The University of Texas at Austin Austin, TX	(2004)*
Mr. Ray Almgren Vice President National Instruments Austin, TX	(2005)*	Dr. Valerie E. Taylor Department Head and Stewart & Stevenson Professor Department of Computer Science Texas A&M University College Station, TX	(2005)*
Dr. C. S. Burrus Dean of Engineering Rice University Houston, TX	(2004)*	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	(2005)*
Dr. Bill D. Carroll Dean, College of Engineering The University of Texas at Arlington Arlington, TX	(2003)*	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	(2005)*
Dr. Sam Hughes Director, Continuous Improvement Motorola Austin, TX	(2004)*	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	

*(year) indicates term expires in December that year
