What is the mission of your organization?

NCWIT’s mission is to significantly increase women’s meaningful participation in information technology.

Please describe the membership of your organization: number of members, demographic profile, and common interests.

NCWIT comprises 170 member organizations – universities, corporations, and non-profits. They are all interested in computing reform – either reforming their own practices and/or conducting outreach. NCWIT has four alliances that reach all levels of the computing pipeline: Entrepreneurial, Academic (higher education), K-12, and Workforce. NCWIT is advised by a 20-member, disciplinarily diverse Social Science Advisory Board.

How does your organization influence computing education?

The NCWIT Academic Alliance includes more than 70 post-secondary institutions engaged in computing education (see table appended). The NCWIT K-12 Alliance, an outreach alliance, has the combined potential to reach 16.1 million girls per year (54% of the girls in the U.S.) and 1.2 million of the adults who influence them. NCWIT creates resources serving computing education in support of our membership’s reform goals and to provide to the general public.

What do you see as the most significant three challenges facing computing education in order to achieve the goals that your organization wants for computing education?

1. Increasing the number of computing classes at the high school level, being sure to focus on making the discipline exciting, and the pedagogy attractive to all.
2. Reforming the CS AP test
3. Reforming the introductory class at the post-secondary level
What are the top three things that should be done to improve computing education?

1. Educational reform that mainstreams computer science in ways that support national innovation goals.
2. Reforming introductory sequences in higher education such that students both learn and develop a sense of belonging as computing professionals.
3. Reforming the CS AP test

If all the groups coming to this meeting got behind a common goal or strategy, what would you suggest that it would be?

Development of adoptable and adaptable reform mechanisms for higher education for the introductory sequence in ways that incorporate recruitment, career possibilities, understanding of the meaning of what students are learning to real-world contexts, and environments that allow a diverse set of students to feel they belong.

What concrete outcome would you hope this meeting to achieve?

Getting the larger community on the same page; connecting K-12, undergraduate education, and graduate education as a unified force.

What would you want representatives from your organization to learn from the summit?

How NCWIT can help and partner with research/resources. Can we be of service to make sure whatever we do is attractive to both boys and girls, men and women? Can we co-brand materials for distribution through our huge networks?

What would help your organization the most at this workshop?

We will be able to invite at most two representatives from each participating society/organization. Could you please provide names and short bios of two representatives from your organization?

Lecia Barker is a research associate professor in the School of Information at the University of Texas at Austin and is a Senior Research Scientist for NCWIT. She works with the NCWIT Social Science Staff, Leadership Team, and Alliances to identify research that can be transformed and disseminated as effective practices. She conducts original computer science education research and program evaluation (focused on social contexts and underrepresented populations); and she consults on and supports Alliance members’ initiatives and their evaluation.

NCWIT Academic Alliance Members as of April, 2009

<table>
<thead>
<tr>
<th>Institution Type</th>
<th>NCWIT Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctoral Granting</td>
<td>Auburn University, Brown University, Carnegie Mellon University, Claremont Graduate University, Colorado School of Mines, Colorado State University, Columbia University,</td>
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<tr>
<td>Minority-Serving Institution</td>
<td>Dillard University, Florida A&amp;M University, Norfolk State University, North Carolina A&amp;T University, Spelman College, University of Texas-El Paso, Xavier University of Louisiana</td>
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<tr>
<td>Master's College</td>
<td>College of St. Scholastica, Columbus State University, Florida A&amp;M University, Norfolk State University, North Carolina A&amp;T University, Rochester Institute of Technology, Saint Xavier University of Chicago, Towson University, Villanova University, Xavier University of Louisiana</td>
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<tr>
<td>Informatics/Information School</td>
<td>Coastline Community College System, Florida State, Indiana University, Penn State, University of California-Irvine</td>
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<tr>
<td>Women's Associates Degree</td>
<td>Bryn Mawr, Smith College, Spelman College, Wellesley College</td>
</tr>
<tr>
<td>Engineering/Technology School</td>
<td>Colorado School of Mines, Illinois Institute of Technology, Rochester Institute of Technology, Rose Hulman Institute of Technology, Virginia Polytechnic University</td>
</tr>
<tr>
<td>Liberal Arts, 4-year degrees</td>
<td>Bryn Mawr, DePauw University, Harvey Mudd College, Mount Holyoke College, Indiana University Northwest, Indiana University Southeast, Southwestern University</td>
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