ACM-W Highlights, Objectives and Activities

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What is ACM-W?

Association for Computing Machinery Council on Women in Computing!

Part of a 100,000 member organization, the world’s largest educational and scientific computing society.

Join ACM, work with ACM-W!
ACM-W Mission

ACM-W supports, celebrates, and advocates internationally for the full engagement of women in all aspects of the computing field, providing a wide range of programs and services to ACM members and working in the larger community to advance the contributions of technical women.
ACM-W Main Programs

• Celebrations of women in computing
• ACM-W Chapters
• Scholarships for women computing students to attend research conferences - $40K USD/year
• Athena Lecturer Award
  – Now a project of ACM!
Celebrations

• Over 30 distinct events world-wide
  – Including India, Spain, Canada, Russia, Cuba, Cyprus, Phillipsines, various U.S. Locations....
Outreach in Africa

– Stawa University ACM-W Chapter, Uganda
  • Computer literacy for women living in rural and regional areas

– TechKobwa girls camp, Rwanda
ACM-W Chapters

Azerbaijan
Bosnia and Herzegovina
Canada
Colombia
Cyprus
Greece
Hong Kong
India
Ireland
Japan
Namibia
Pakistan
Saudi Arabia
Serbia
Spain
Sweden
Turkey
United States
United Kingdom

There are 164 active chapters.
What are the statistics?

- Data from Wenjing (Nan) Sun Issues in Information Systems Vol 7, No 1.(2006)

- US c/w China Statistics of female Computer Science enrolments at Universities
  - China average 35.9% female enrolments (ranges 20-59% between courses and universities)
  - USA average 13.2% (range 5.9- 20%)
How to start an ACM-W Student Chapter

The student chapters of ACM’s Committee on Women in Computing (ACM-W) serve to increase recruitment and retention of women in computing fields at the university level. An ACM-W chapter on your campus offers students activities and projects that aim to improve the working and learning environments for women in computing.

Start an ACM-W Chapter in 4 easy steps.

1. Enter chapter name, chapter email address, chapter type, and chapter sub-type.

2. Enter the names of the individuals to serve as Chair and Vice Chair. These individuals must be ACM Student Members. In addition, a Faculty Sponsor with an ACM Professional Membership is required.

3. Enter chapter contact information (postal address and phone number).

4. Enter the names of at least ten (10) individuals willing to carry out the chapter’s mission and participate in activities. The last name, first name, and email addresses of these members will be required through the automated chartering application.

Chapters in India are required to have at least ten (10) ACM members.

Once the completed application is submitted, ACM-W Student Chapter’s require additional approval by volunteers; this secondary approval process will take up to 2 weeks. You will be notified via email on the approval of your chapter.
Scholarship Program

– Awarded to women Computer Science students interested in attending research conferences.
– Student does not have to present at the conference.
– Pipeline program
  • Designed to encourage students to move on to the “next level”
Scholarships

– Approx. 40 awards per year
– Applicant breakdown:
  • 20% BA/BS, 15% MS, 66% Ph.D.
– Award breakdown:
  • 30% BA/BS, 22% MS, 48% Ph.D.
– 18 ACM SIGs support the program (free conference registration, conference ‘mentor’)

– SIGACCESS, SIGACT, SIGARCH, SIGCOMM, SIGCHI, SIGCSE, SIGDA, SIGECOM, SIGEVO, SIGGRAPH, SIGHPC, SIGIR, SIGITE, SIGMM, SIGMOBILE, SIGOPS, SIGPLAN, and SIGSOFT
Experiences provided research opportunities:

Women in Computing: Building a sustainable support group in a technical university

Catherine Lang & Rosemary Stockdale

This paper presents a participatory case study approach to address the question of how female computing students can be supported educationally and socially through their degree and encouraged to embrace careers in the IT industry. It positions the need for a support and mentoring approach to female students in the 21st Century. The case study stresses the importance of sustainability of the group beyond that of the personality of the champion, and suggests strategies that are integral to embedding a female social group within the University culture.
My students won scholarships...

Homework pays off

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For example, Holmesglen Institute of TAFE has a Certificate IV in Health (nursing) that requires 15 months full-time study, an ideal first step to a nursing degree.

Box Hill, Chisholm, Holmesglen and Swinburne all run a Certificate IV or Diploma in Information Technology.

Students hoping to do an IT degree could start with this or one of the many TAFE certificates in software development.

One of the most important things to remember is that a VCE score or a tertiary place is not a key to a single door.

Memories: Alana sees the sights in San Francisco.

“So I went to uni because that was what people did.

“Everyone says if you are smart you should go.

“I had never even studied computers at high school, but I loved it,” she said.

Starting in 2001 with learning component, then worked and travelled in England for a year.

One more subject at summer school will complete her degree, then she will look for a job in web development.

“Consider all your options, including taking a year off,” Alana advised others.

“Look at what you enjoy as well as what you are good at.”

Every year, new courses and newly open facilities bring more choices.

The important thing is to research carefully and avoid making assumptions.

Don’t assume univer...
Objectives and Activities of ACM-W

• **Celebrate**: One of the most popular ways to celebrate women in computing is by starting and/or attending an ACM-W Celebration of Women in Computing;

• **Inform**: Via ACM-W's student scholarship program, young women are informed about the research going on, and become acquainted with the researchers, in their field.

• **Support**: Lend your enthusiasm, inspiration, and support to ACM-W, and help make a difference in the global computing community!

When you join ACM, or renew your membership, check the box for ACM-W. You will be added to our email list and receive our ACM-W Connection newsletter.
ACM Elects Cherri Pancake as President

ACM has elected Cherri M. Pancake as President for a two-year term beginning July 1. Pancake is Professor Emeritus and Intel Faculty Fellow of the School of Electrical Engineering and Computer Science at Oregon State University and Director of the Northwest Alliance for Computational Science and Engineering (NACSE). Her vision as President is to proactively engage researchers, educators and practitioners in emerging areas of computing through providing conference and publication opportunities that will help drive advances in their fields.

Also elected to two-year terms were Vice President Elizabeth Churchill, Director of User Experience at Google in Mountain View, California; and Secretary/Treasurer Yannis Ioannidis, President and General Director of the “Athena” Research and Innovation Center in Athens, Greece and Professor of Informatics and Telecom at the University of Athens. President, Vice President and Secretary/Treasurer serve two-year terms from July 1, 2018 to June 30, 2020.
For more information....

– Jodi Tims, ACM-W Chair, jltims@bw.edu
– Reyyan Ayfer, ACM-W Vice Chair, ayfer@bilkent.edu.tr
– Wendy Powley, Celebrations, wendy@cs.queensu.ca
– Z Sweedyk, Chapters, zsweedyk@gmail.com
– Adriana Compagnoni, Scholarships, adriana.compagnoni@gmail.com

http://women.acm.org
Diversity: Females in High Performance Computing

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Hofstede and Hofstede Cultural Comparisons

- **Power Distance**
  - Australia: 80
  - China: 61
  - United States: 21

- **Individualism**
  - Australia: 40
  - China: 20
  - United States: 26

- **Masculinity**
  - Australia: 90
  - China: 66
  - United States: 62

- **Uncertainty Avoidance**
  - Australia: 91
  - China: 30
  - United States: 46

- **Long Term Orientation**
  - Australia: 51
  - China: 87
  - United States: 71

- **Indulgence**
  - Australia: 36
  - China: 24
  - United States: 68
欢迎参加全球科学工作者调查。

The 2018 Global Survey of Mathematical, Computing, and Natural Scientists has been launched on May 1st, 2018 and will be opened for answers until October 31st, 2018.

http://statisticalresearchcenter.org/global18

We are looking for respondents, men and women, in all fields represented by the partnering Unions and all regions of the world.

You are welcome to forward it to your colleagues, men and women.

It is now our collective responsibility to disseminate the survey and make it fully successful.