WISC Panel

Women Servicing Women in Computing and Beyond
Self Introduction

• Name: Zhi Jin

• Affiliation: Peking University, China

• Research Areas in General:
  – Knowledge Engineering and Requirements Engineering
  – Artificial Intelligence for Software Engineering

• Specificity in Service Computing Area
  – Since 2005
  – Main Research Area: Service Specification
  – Focus: Environment Modeling based Approach
Question: How to attract more women to the field of services in computing

• Show them the female models
  – Ada Lovelace: The world’s first computer programmer.
    • She had the foresight to program a computer that hadn’t yet been built! She accomplished even more with her vision of what computers could eventually do
  – Jean Bartik: women mathematicians were hired as “human computers” to calculate ballistics trajectories
    • She learn how to program the ENIAC without any guidance. She worked tirelessly to study schematics and interview the engineers who built ENIAC in order to teach herself the required skills.
  – Grace Hopper: the most influential woman in the early days of computers and software engineering. Created one of the first compilers
  – Margaret H. Hamilton: developed on-board flight software for the Apollo space program
    • She and some others have been credited with naming the discipline of “software engineering”

Encouragement
You can, and you will be great
Question: What are some self-promotion strategies that you have used to help advance your career

• Choose a suitable field / friendly
  • Field: Interesting, has basis, have expertise
  • Team: Female Friendliness

• Be focus, persistence and stay enthusiastic
  – Time Related: Family responsibility and career development
  – Have to focus and persistence

• Maintain a safe haven and find a balance
  – Family is most important
  – but career development is necessary
  – Self Care Strategies: Set a mini-goal for yourself to have something more achievable and within your control as a measure of success, self-encouragement
Question: What are some of the challenges that women in services computing are facing

- This is a changing area
- The Techniques are developing very fast
- That is why
  - Should be focus, persistence and stay enthusiastic
  - Choose to work in the areas that you have basis, have expertise
  - Don’t change the research directions frequently
Question: What are your thoughts about how this pandemic will change the future of service computing

• Service computing will be much more important
• More and more services are deployed within the physical world and human society
• Service design should be
  – Human centric, Human value centric
  – To make the services more reliable, more efficient, more friendly, being situation-aware, being smart,......

The time? the location? what are they doing? What is happening? ......
Then, make a plan to deliver services