



Software Engineering Lab
is looking for students
who are interested in
Software Engineering for
Internet Applications



What is Software Engineering?



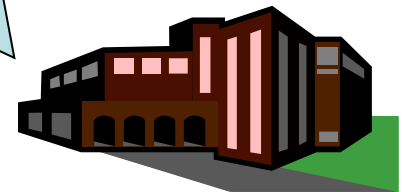
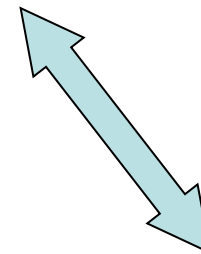
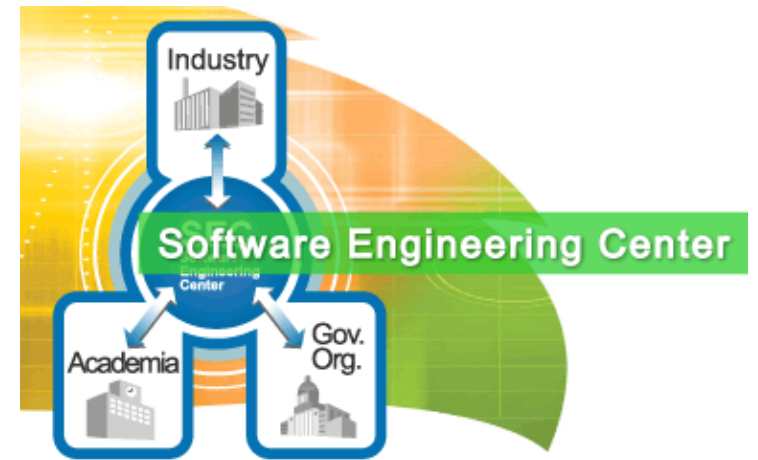
The right software, delivered
defect free on time and on cost,
every time.



Information - Technology Promotion Agency



- ❑ SEC was established in October 2004:
 - To cope with the biggest challenge of Japan industry;
 - To professionally develop software;
 - To deploy the valued software.
- ❑ Role of the University of Aizu:
 - To provide innovative software engineering methods and processes;
 - To graduate specialists in software engineering.



University of Aizu

Mission of the Software Engineering Lab



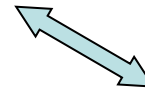
Software Engineering Lab concentrates on:

- developing new methods,
- involving students in projects.

IPA



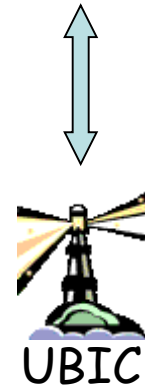
SEC



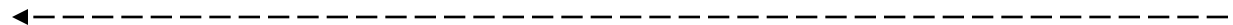
Joint trial
engineering experiments

Controlled experiments

New technology



UBIC



Feedback to focus research better

Why Software Engineering for Internet Applications?



- ❑ The importance of the Internet and its influence on our lives is increasing.
- ❑ Mobile technologies spread wide very quickly nowadays.



What does it mean: A Good Software Engineer?



He is good at professional knowledge.



What does it mean: A Good Software Engineer?



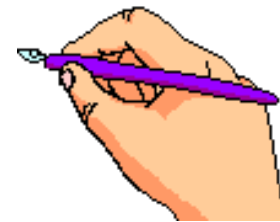
He is good at talking to clients and
good at understanding their requests
and problems.



What does it mean: A Good Software Engineer?



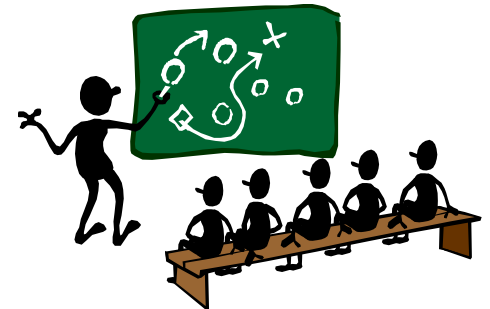
He is good at Japanese and English writing as well; he is good at explanations of software implementation details.



What does it mean: A Good Software Engineer?



He is able to work as an individual and as a member of a team; he is able to be a manager, a leader of a project and an ordinary member as well.



Lab Traditions



- ❑ High level of quality of the research done by lab students:
 - Research results must be available for the scientists in the world.
 - It can be done via publications in the journals and conference proceedings.
 - Lab students are pushed to write papers in English, submit them to the prestigious scientific conferences sponsored by ACM and IEEE societies.
 - If the paper is accepted, students go overseas and make oral presentation at the conferences in English.
 - In 2014, ALL graduation research results were accepted for presentations at the high level conferences and published in conference proceedings.

Lab Traditions



- Weekly lab meetings are done in English:
 - Every student get good experience in training scientific speaking and listening skills.
 - It is a good school to prepare scientific presentations and to get skills necessary for scientific discussions at the conferences.

Lab Traditions



- ❑ Software Engineering lab is a home for lab students: Japanese and International.
 - International students together with Japanese students are working on the scientific projects helping each other.
 - Lab has good relations with Taiwanese universities: Several Taiwanese students successfully graduated from our lab in recent years.

Lab Traditions



- Every year, lab dispatches lab students to Saint-Petersburg, Russia
 - Beginning from 2006, we run a short term exchange program with the partner university: Saint-Petersburg State University, Russia.
 - ✓ One week to present a paper at the annual conference on Control and Stability in Russia.
 - ✓ One week to welcome Russian students in Aizu attending scientific events.

Lab Traditions



- ❑ All these traditions are UNIQUE at our university!
- ❑ These traditions give the lab students EXTRA benefits while studying at the university!
- ❑ These benefits help students find good job after graduation!
- ❑ Graduated students remember these benefits and visit the university and lab to say THANKS for taking care of them!

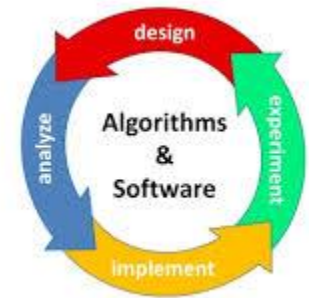
Who are most welcome?



- ☐ If you are ambitious...
- ☐ If you would like to be a real software engineer...
- ☐ If you prefer to work hard...
- ☐ If you are interested in discovering scientific world...
- ☐ **You are welcome to join Software Engineering Lab!**



The Scientific World



Life of a Software Engineer !!

UNIX C,C++ JAVA .Net

~~MS EXCEL~~ --(

