

RECENT TREND OF JAPANESE FEMALE PROFESSIONAL ENGINEERS

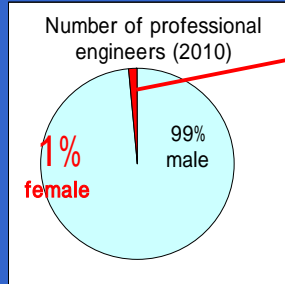


Thank you. To begin with, we express our sincere gratitude to people around the world for the warm messages and support after the unprecedented disaster that hit Japan on the 11th March.

(NPO The Woman Professional Engineers Society of Japan)

About Professional Engineers in Japan

Professional Engineers are the engineers authorized by the Professional Engineer Law, who have professional abilities and ethical code of conducts to use their scientific technologies based on their knowledge and professional experience for better life.



The ratio of women is only 1%. This is because parents do not want their daughters to go into science and engineering courses and/or there are only a few role models of female engineers etc. In order to overcome this situation, NPO The Woman Professional Engineers Society of Japan has recently gathered their members' personal history and published a booklet to show young female engineers and female students female role models.

What we think and what we do (Excerpts from the booklet on role models)

Coincidental meeting with IT
Yukari Aoki (Information Engineering, Comprehensive Technical Management)



- **What I do**
I plan and design business systems for the organization which protects depositors.
- **Why I chose IT**
It was a coincidence. I was a student of literature at university and willing to be a white-collar worker. However, during my job hunting, I applied for a system engineer at a major commercial bank, which was my introduction with information systems.
- **Moments I feel the happiest as an engineer**
I am most pleased when I hear users say that the business system I have developed for them is helpful.
- **What I want to do in future**
I am interested in getting more into Human resource development. And also I am interested in developing IT systems which support the disabled.

I am an engineer working at National Astronomical Observatory of Japan (NAOJ)
Yumi Fujii (Applied Science)



- **What I do**
I make radio astronomy devices at NAJO. To be specific, I make small functional parts of a receiver of a radio astronomy dish, using quartz substrates thermally-conductive material in a process similar to the way integrated circuit chips and liquid crystal panels made.
- **Why I chose Science course**
I have always enjoyed thinking about phenomenon of nature since I was a child.
- **Moments I feel the happiest as an engineer**
I am most pleased when I see a device completed as I designed.
- **What I want to do in future**
I would like to hold environmental science classes where children and people who are not very familiar with science will learn science in an easy-to-understand way.

I am an engineer involved in nuclear power generation.
Eiko Hirano
 (Civil Engineering)



- **What I do**
I conduct the Environmental Impact Assessment for facilities associated with nuclear power generation.
- **Why I chose Science course**
Contamination of seawater which used to be my playground in childhood gave me concern over deterioration of our environment, and I felt strongly that I had to do something to solve marine pollution.
- **Moments I feel the happiest as an engineer**
It is my pleasure to find completion of facilities for which I conducted the Environmental Impact Assessment.
- **What I want to do in future**
I would like to develop a methodology to predict long-term impacts by the geological disposal of radioactive wastes on its surrounding environment.

I improve environment using Do-joyoka System (Wastewater treatment)
Hiroko Kimura
 (Water Supply & Sewerage)



- **What I do**
I work to improve environment and propose and disseminate sewerage in local areas using Do-joyoka System.
- **My purpose for becoming a Professional Engineer**
I used to work at a kindergarten after graduated from a pedology faculty. Then I met Do-joyoka System, which made me feel I wanted to be a Professional Engineer.
- **I am always trying to do this at my work**
Having people who really understand you is a great power. I am always feeling how important it is to build a human network and trying to expand it even more.
- **What I want to do in future**
I would like to tell about the natural forces of soil borne not only in Japan but to the world.