Physics Education Society of Japan, activities and research works

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Physics Education Society of Japan

- Largest Academic Society in the field of Physics Education
- Established in 1952 in Tokyo
- About 1200 members
  - secondary school teachers (50%), college academic staff (33%), students (4%)
- Publication of academic Journal
  - 「物理教育」 (Physics Education) in Japanese, published every three months
- Annual Meeting
  - Every year in August
- Seven regional branches
  - Hokkaido, Tohoku, Tokyo area, Niigata, Kinki, Chugoku-Shikoku, Kyushu
  - Most branches have their own activities including annual publication and meetings, seminars, etc.
  - Organizes Annual Meeting of the Society
International Conference in 2006 (ICPE2006)

- International Conference of ICPE (International Commission on Physics Education) was held in 2006 in Tokyo.
  - Introduction of Physics Education Research (PER)
  - Two plenary lectures
    - Edward Redish, University of Maryland “The New Direction of Research on Undergraduate Physics Education”
    - Jon Ogborn, University of London “The Physics Education for the Future”
  - Many active researchers in US (?) also gave a talk and presentation of their activities and organized workshops
  - Good opportunity to know recent development of the research work in physics education research (PER)
Translation of “Teaching Physics with the Physics Suite”

- Active members in Tokyo area and Kyoto group began to translate the book.
- The translation was published as an official publication of the PESJ.
  (Japanese Title 「科学をどう教えるか」 アメリカにおける新しい物理教育の実践)
  - First Edition was published in 2012 by Maruzen Company
- Many high school teachers and college professors have had a strong interest in the book.
- Teachers and professors have started to practice the active learning in their own classes.
- Investigation of student performance with using assessment tools such as Force Concept Inventory (FCI) for Newtonian Mechanics/Dynamics and Lawson Classroom Test on Scientific Reasoning (CTSR).