



# Office for the Next Generation

<http://www.iis.u-tokyo.ac.jp/ong/>

## What's Office for the Next Generation ?

The **O**ffice for the **N**ext **G**eneration (ONG) has been set up at the IIS in order to introduce the latest technology in university into elementary and secondary education by cooperating with industries.

The purpose of ONG is to make new models of the education and outreach, which raises next-generation researchers and engineers, by cooperating with the industries.



### Teaching Materials for Lending

Teachers in elementary school, junior high school, or high school can borrow these teaching materials, and can use them in class.

Sample

### New School Outreach Program

The flowchart shows the outreach program structure. At the top, 'Industry' (green circle) includes 'Tokyo Metro' (train image) and 'Jtecht' (mechanical parts image). A green arrow labeled 'Cooperation with the industries' points from industry to the program. Below is 'IIS' (orange circle) with 'Driving mechanism of vehicles' (lecture image) and 'Lecturer: Prof. Suda, Yoshihiro'. A green arrow labeled 'Prof. Suda is actively promoting the collaboration with various industries.' points from IIS to the program. At the bottom is 'Elementary and Secondary Education' (pink circle) with 'Urawa Ichijo high school' (classroom image). A green arrow labeled 'The use of previous relationship' points from IIS to the program.

- DVD of this lecture movie

We will upload this lecture movie to Web.

- Development of New Teaching Materials

We are developing new teaching materials based on the mechanism of wheels, by which students can learn mathematics and physics actually used in trains.