

January 27, 2014

Cybernet Systems Co., Ltd.

Honda Lock Mfg. Co., Ltd. Adopts CAE Workshop of CYBERNET as Part of In-House Engineering Training

Participatory seminar centering on group work helps establish common perception inside the company by deepening the understanding of analyses.

CYBERNET SYSTEMS CO., LTD. (hereinafter “CYBERNET”, Head Office: Chiyoda-ku, Tokyo, President: Kuniaki Tanaka) announces that Honda Lock Mfg. Co., Ltd. (hereinafter “Honda Lock”, Head Office: Miyazaki-shi, Miyazaki) has adopted the CAE University of CYBERNET, called the “CAE Workshop,” as part of its in-house design education.

The problem of engineers having difficulty understanding the relationship between experimental and analytical results even though they have become able to operate CAE is often heard from companies that have introduced CAE. Honda Lock had a similar problem within company and made a request to build a development culture to make further use of CAE so that in-house engineers would have a common perception of analytical work.

Based on the request of Honda Lock to “conduct an in-house seminar based on a fundamental on-site education,” CAE University began holding the CAE Workshop by mobilizing the know-how of CAE University, the knowledge of multiple instructors, and research and advance preparations inside Honda Lock.

The CAE Workshop is a participatory seminar designed to deepen engineer understanding by having the participants tackle challenges mainly through group work combined with experiments, analyses and classroom lectures.

The CAE Workshop this time is more directly linked to practical operations by actually conducting experiments and analyses using products of Honda Lock as subject items, validating the results and holding discussions. It has also produced the effect of encouraging a common perception inside the company with a result that the participants deepened their understanding of analyses by working, holding discussions and giving presentations in group work across departments and generations.

The CAE Workshop, a new type of seminar provided by CAE University, offers training for many customers who use and are about to use CAE to develop a better understanding and more satisfying outcomes.



A group discussion



Results debriefing

Comment of Masakatsu Nitawaki, Division General Manager of Product Development Div. Headquarters for Development Overall of Honda Lock

Honda Lock develops and manufactures parts for two-wheeled and four-wheeled vehicles. Although our specialist teams have improved their skills as a result of focusing on simulation analyses with the aim of increasing efficiency during a development period, we had yet to make effective use of these analyses on site where development experiments are undertaken.

I believe that by participating in the CAE Workshop in order to understand the relationship between experiments and simulations the members engaged in development practice themselves have understood the point of how to conduct a simulation analysis and how to use that for practical operations.

I would like to continue to accelerate efficient development using simulation analyses while participating in the CAE Workshop, etc.

Comment of Masatake Kagari, Executive Officer in charge of CAE University of CYBERNET

The CAE Workshop of CAE University is a participatory seminar in which participants will deepen their understanding of CAE by working on problems mainly in group work combined with experiments, analyses and classroom lectures.

They will learn the essence of CAE, which is hard to grasp by listening alone, through a process of conducting experiments and analyses, discussing the results, and summarizing them in an analysis report. They will be able to receive advice about what to pay attention to and be aware of in a timely manner from vastly experienced instructors. They will also be able to learn things directly linked to actual operations as they use their own products as subject items.

Receiving from Honda Lock an encouraging report that the participants showed positive changes soon after participating in the seminar, I really felt the learning effect.

Concerning CAE University



CAE University offers educational programs to foster CAE engineers, with “developing human resources for “Monozukuri” (manufacturing)” as its slogan. The effective use of CAE requires an ability to evaluate the validity of simulation results without making CAE a black box. To acquire this ability, knowledge and techniques in engineering, physics and mathematics are essential. CAE University aims to develop engineers who will be capable of making effective use of simulation software by acquiring knowledge that will improve techniques, including a background in the physics and engineering used on CAE.

As the same instructor gives each lecture, the content is constantly revised. Instructors also try to create links between their courses by meeting with other instructors. In doing so, CAE University aims to offer engineering educational programs to acquire knowledge in a truly systematic way, so that subjects will see connections and meaning as in an integrated set of educational programs at a university.

Name	CAE University
Program period	Held twice a year (each series of lectures have the same content)
Purpose	Acquire an ability to extract the potential of CAE tools to the maximum extent by understanding technologies and laws adopted in the CAE tools.
Target participants	Those who are using or due to use CAE tools in their design and development and wish to develop superior and more efficient “Monozukuri” (manufacturing).
Instructor	College teachers and engineers in private companies who are active in the subject fields
Venue	Tokyo Head Office (Akihabara), Chubu Branch Office (Nagoya) and Nishi-Nihon Branch Office (Osaka) of CYBERNET SYSTEMS
URL	http://www.cae-univ.com/

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