



The 33rd ICUS Open Lecture “Perspectives of Mathematical Optimization in Social Systems” is held in December

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The 33rd ICUS Open Lecture “Perspectives of Mathematical Optimization in Social Systems” is held on 1st December 2016 at a Anniversary Hall, IIS, the University of Tokyo. This Lecture consists of 3 parts, and Dr. Bixby, Dr. Inui and Dr. Rothberg, explained each. Dr. Bixby and Dr. Rothberg, both of who have developed the most sophisticated optimization softs in the world (CPLEX and Gurobi), might be a last visit in Japan, so the lecture place swelled in many academic researchers and business persons, domestic and foreign students on that day. Thanks to interpreter, all 95 participants could better understand and concentrate on the contents of the lecture.

The mathematical optimization is one of the essential technique to develop the social systems. Though the objective of ICUS was to carry out researches from global viewpoint on urban safety engineering including structural safety, maintenance and management for safe use of urban infrastructure, same as civil and architectural infrastructures, it could be say that the mathematical optimization is also “the infrastructure” to support our society. Dr. Rothberg, Gurobi Optimization Inc. CEO, explains how to apply the optimization through the example of setting school area in Oregon Portland, U.S.A. Then, Dr. Inui, a senior consultant of October Sky. Inc. introduced the Case study in Japan. Finally Dr. Bixby, Gurobi Optimization Inc. CSO, told a fascinated saga of 25 years of progress in optimization. A coffee break between these lectures took an open and a friendly atmosphere, many questions are vigorously argued.



Photos of the Open Lecture held in S building of IIS.