



Seoul National University
Active Aeroelasticity and Rotorcraft Lab.

EDISON CSD

Term Project Manual

Aeroelasticity
2020. 10. 26

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Introduction

❖ What's EDISON CSD?

➤ EDISON CSD

- EDISON: **E**Ducation-research-industry **I**ntegration through **S**imulation **O**n the **N**et
- CSD: **C**omputational **S**tructural **D**ynamics

➤ Purpose

- Web-based non commercial program



EDISON Manual

❖ EDISON_CSD homepage

➤ <https://edison.re.kr/home>

The screenshot shows the EDISON_CSD homepage. The header includes the EDISON logo, navigation links (EXPLORER, APPS, Contents/Data, EDUCATION, ABOUT), and utility links (Search, Site Map, Language). A prominent red circle highlights the 'Sign-up and Sign-in' section, which contains 'Sign-up' and 'Sign-in' buttons. The main content area features a circuit board background with the text 'EDISON Everything for Computational Science & Engineering' and 'THE BRIDGE TO COMPUTATIONAL SCIENCE FOR EDUCATION AND ADVANCED RESEARCH'. A 'Learn More...' button is located at the bottom of the main content area.

EDISON Manual

❖ EDISON_CSD

Click education

EDISON

EXPLORER APPS SIMULATION Contents/Data **EDUCATION** ABOUT My EDISON STATISTICS

공무원 Sign-out EDISON'S

EDISON

Everything for Computational Science & Engineering

THE BRIDGE TO COMPUTATIONAL SCIENCE FOR EDUCATION AND ADVANCED RESEARCH

Learn More...

Service

News

EDISON Manual

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Click (Kor: 공력탄성학)

Course List

Courses or Affiliate or Professor






Clear



  우주환경구조실험실 Chonbuk National University Prof. EDISON	  General Chemistry Lab I KAIST Prof. 김우연	  Disaster Simulation 1 Yonsei University Prof. 이상원	  Aeroelasticity Seoul National University Prof. 신상준
  의공학기초실험 Kumoh National Institute of Technology Prof. 임기무	  물리화학실험2 Sogang University Prof. 성봉준	  Hustar-healthcare system Kumoh National Institute of Technology Prof. 임기무	  압축성 유체역학 Gyeongsang National University Prof. 명노신
  전산유체역학1 Chungnam National University Prof. 김병수	  점성유체역학 Pusan National University Prof. 박동훈		

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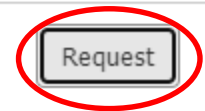
 Class ScienceApp

cr2d_dyn	cr2d_st
Ver 2.0.1 KISTI EDISON	Ver 2.0.1 KISTI EDISON
RUN  MANUAL 	

 **Class Status** 

Class Title :	Aeroelasticity
Professor :	신상준
Affiliate :	Seoul National University
Student numbers(current/max) :	(0/10)

Click



 **Class List**

10 Items  Class Title Search Clear

No.	Course	Affiliate	Professor	Class Title	Creation date	Student/Total
2	Aeroelasticity	Seoul National University	신상준	Aeroelasticity	2020-10-26	0 / 10
1	Aeroelasticity	Seoul National University	신상준	Aeroelasticity	2019-11-11	10 / 12

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1. Read the program manuals.
2. Then, run the programs.



Class ScienceApp

cr2d_dyn

Ver 2.0.1
KISTI
EDISON

RUN MANUAL

cr2d_st

Ver 2.0.1
KISTI
EDISON

RUN MANUAL

cr3d_dyn

Ver 1.0.0
Seoul National University
주현식

RUN MANUAL

cr3d_st

Ver 1.0.0
Seoul National University
주현식

RUN MANUAL

Class List

10 Items

Class Title

Search

Clear

No.	Course	Affiliate	Professor	Class Title	Creation date	Student/Total
2	Aeroelasticity	Seoul National University	신상준	Aeroelasticity	2020-10-26	0 / 10
1	Aeroelasticity	Seoul National University	신상준	Aeroelasticity	2019-11-11	10 / 12

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Course ScienceApp





cr3d_stress

Ver 1.0.0
Seoul National University
공두현

RUN  MANUAL 

EdisonPrePost

Ver 2.0.0
KISTI
EDISON

DOWNLOAD  MANUAL 

**Program for pre/post-
processing (visualization)**

Term Projects

- **Reports using EDISON SW.**
- **Free Topic**

- **Due: TBD**
- **If any problems, e-mail to shkang@snu.ac.kr**