



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

TO: Eligible Graduate Students in Transportation
FROM: Patrick Szary, CAIT Associate Director
SUBJECT: CAIT Fellowship pamphlet and application form

Attached, please find the Center for Advanced Infrastructure & Transportation (CAIT) Educational Advisory Committee's (EAC) fellowship program pamphlet and the application form. Details concerning student eligibility and the application process are included in the application documents. Please distribute this to eligible students and post in your department.

For more information on the CAIT center visit:

<http://www.cait.rutgers.edu/>

For more information on the CAIT EAC fellowship visit:

<http://www.cait.rutgers.edu/students/index.html>

Please keep in mind the following dates in relationship to the CAIT fellowship application.

- **Deadline for the submission of applications April 13th**
- Notification of award for fellowships anticipated by May 1st
- Period of fellowships generally one year

University Transportation Center



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Rutgers, The State University of New Jersey

<http://www.cait.rutgers.edu/>

Graduate Fellowship Program in Transportation

Information and Application Form
for
Student Applicants

**CENTER FOR ADVANCED INFRASTRUCTURE & TRANSPORTATION (CAIT)
UNIVERSITY TRANSPORTATION CENTER
RUTGERS UNIVERSITY**

**GRADUATE FELLOWSHIP PROGRAM
CAIT EDUCATION ADVISORY COMMITTEE (EAC)**

PROGRAM GOAL

To increase the number of qualified professionals in transportation through graduate education leading to a master's or a doctoral degree in a transportation/infrastructure engineering and related fields. To learn more about CAIT and our program please feel free to visit our website at www.cait.rutgers.edu.

ADVANTAGES TO TRANSPORTATION GRADUATE SCHOLARS

The program provides annual stipends of up to \$12,500 to selected applicants. The stipend is in general paid over a period of 12 months, but special arrangements will be considered. Upon availability of funds, the program may also provide tuition support at the in-state level.

WHO SHOULD APPLY

Careers in transportation require a diverse range of skills, backgrounds, experiences, and outlooks ranging from engineering and science to social science expertise. Thus, students and professionals with degrees and experience in diverse fields should consider applying.

ELIGIBLE APPLICANTS

While the Graduate Fellowship program is oriented towards all students and professionals interested in transportation/infrastructure related graduate education, those who are currently or are planning to be enrolled in one of the participating graduate programs are the primary focus of the graduate fellowship program. Interested applicants must meet the following specific requirements:

- a. The applicant must be a United States citizen or a permanent resident
- b. The applicant must have at least a bachelor's degree, or must be a graduating senior. It is expected that the applicant have maintained at least 3.0 GPA in the undergraduate program and/or at least 3.5 GPA in the graduate program.
- c. The recipient must be enrolled or admitted as a full time student in one of the participating graduate programs at Rutgers University.
- d. The applicant must have a proposed research project proposal approved by the assigned faculty advisor and EAC Chair.
- e. The fellowship recipient may not hold a full-time job during the period of duration of the fellowship. Special circumstances where a student holds a full time position for a partial period will be evaluated on a case by case basis (i.e. full time summer employment when there are no classes in session may be acceptable). The EAC reserves the right to reject an applicant or reduce the award, if the support provided from a part-time employment exceeds a typical level of full-time student support.
- f. A student may not receive more than one stipend/ fellowship originating from a USDOT or FTA source simultaneously.

PROGRAM ADMINISTRATION

The graduate fellowship program is being administered by the CAIT Education Advisory Committee (EAC), which announces the program, evaluates applications, and awards fellowships. The EAC also oversees the overall implementation of the program. The participating graduate programs are responsible for implementation and administration of fellowships for their graduate fellows upon the awarding.

APPLICATION PROCEDURE

The applicant applies to the CAIT Education Advisory Committee for the fellowship. The application should consist of the following:

- a. Completed fellowship application including appropriate signatures and research statement forms.
- b. A detailed resume.
- c. An essay of 500 to 1000 words on applicants career objectives in the transportation field.
- d. Copies of transcripts for all colleges and graduate programs attended.

The application should be received by **April 13th for the fellowships** to:

The Center for Advanced Infrastructure and Transportation
Dr. Nenad Gucunski
100 Brett Road
Piscataway, NJ 08854

If the fellowship applicant is in the process of application and admission to one of the participating graduate programs, the applicant must send a copy of the admission letter to the CAIT Education Advisory Committee upon admission.

CENTER FOR ADVANCED INFRASTRUCTURE & TRANSPORTATION (CAIT)

PARTICIPATING GRADUATE PROGRAMS AT RUTGERS UNIVERSITY

Department of Civil Engineering

Dr. Ali Maher, Chair
623 Bowser Road
Piscataway, NJ 08854
(732)445-2232

Department of Mechanical and Aerospace Engineering

Dr. Andrew N. Norris, Chair
98 Brett Road
Piscataway, NJ 08854
(732)445-3818

Department of Ceramic Engineering

Dr. Dale E. Niesz, Chair
129 Engineering Building, Busch Campus
Piscataway, NJ 08854
(732) 445-4718

Department of Industrial Engineering

Dr. Elsayed A. Elsayed, Chair
96 Frelinghuysen Road
Piscataway, NJ 08854
(732) 445-3654

Department of Electrical and Computer Engineering

Dr. David Daut, Chair
98 Brett Road
Piscataway, NJ 08854
(732) 445-5393

Department of Urban Planning and Policy Development

Dr. Lyna L. Wiggins, Chair
33 Livingston Avenue, Suite 302
New Brunswick, NJ 08901-1982
(732) 932-3822 Ext. 568

Other anticipated Fellowships and Appointments. List all anticipated Fellowships and Appointments during the CAIT Fellowship duration, generally one year from September 1 through August 31. If you need more room, please attach additional pages.

Fellowship or Appointment Name

Approx. Dates (to-from)

Present Employer _____

or School: _____

Address: _____

Your Position: _____

Applicant's Signature _____ Date _____

NOTE: This form is an application for the CAIT Fellowship for **full-time students**. If the student is not enrolled in any of the participating graduate programs, the applicant needs to apply separately to those.

Return the completed application with your resume, essay, and transcripts to:

The Center for Advanced Infrastructure & Transportation
Dr. Nenad Gucunski
100 Brett Rd.
Piscataway, NJ 08854

Complete applications with attachments must be received no later than **April 13** for the fellowships.

**CENTER FOR ADVANCED INFRASTRUCTURE & TRANSPORTATION (CAIT)
UNIVERSITY TRANSPORTATION CENTER
RUTGERS UNIVERSITY
Research Statement**

Name: _____

Faculty Advisor: _____

Department: _____

Title of Research Project: _____

Is the project:

Sponsored _____ Not sponsored _____

If project is sponsored,

Name of the sponsor _____

Principal investigator: _____

Dates of project: _____

Will your work constitute the majority of effort on this project? Yes ___ No ___

If not, describe the goals of the overall project. (If so, include in the next sheet.)

Describe the project or your part of the research project. (Attach separate sheets if necessary. Minimum 500 words)

Faculty advisor (The faculty advisor may be the same as the EAC Committee Chair): The faculty advisor's signature indicates that he/she read the project description and the applicant's proposed role in the project, approves the proposed project, and agrees to act as a mentor to the student.

Faculty Advisor Date

CAIT Education Advisory Committee Chairperson. The chairperson's signature indicates that he/she has read the project description and approves it as a worthwhile project.

CAIT Education Advisory Committee Chair Date

EVALUATION OF APPLICATIONS FOR THE FELLOWSHIP AWARD

Evaluation Criteria for Fellowships:

The following criteria will be used to evaluate all fellowship applications. The order in which the criteria are listed in no way indicates their importance in the evaluation process.

EDUCATION & ELIGIBILITY
A. Educational experience and major degree area
B. Transcripts and GPA
C. Overall eligibility
EXPERIENCE
D. Work/research experience as per resume
E. Honors and certifications as per resume
F. Activities and skills as per resume
G. Publications, patents, presented papers, and attended conferences as per resume
H. Technical and honor society memberships
RESEARCH STATEMENT
I. "Research Statement" - ability, technical expertise, ability to meet project schedule, net cost, and know-how to perform such tasks
J. "Research Statements" goals in keeping with the CAIT Centers Strategic Plan (In keeping with TEA-21 and UTC goals) and merit (or benefit to society or profession) of proposed research