



Employer:	Toyota Technological Institute (TTI)
Internship Position:	Electronic Engineer Intern
Duration:	June – July / July – August* 2023 (6 – 8 weeks) <i>*No research activities/ supervision will be provided during 10-day summer holiday in August.</i>
Placement Location:	Nagoya, Japan
Mode of Internship[^]:	Physical
Job Code:	TTI002
TTI Supervisor:	Prof. Masamichi Yoshimura

About the Employer:

Founded in 1981 by a large endowment from Toyota Motor Corporation, Toyota Technological Institute (TTI) has been dedicated to developing education and research in the engineering and technology fields. To enhance global awareness of students, TTI provides a study abroad programme at their sister school, Toyota Technological Institute at Chicago, and other overseas research and practice programmes.
www.toyota-ti.ac.jp

Job Descriptions:

- Growth and characterization of carbon nanomaterials such as graphene and carbon nanotubes
- Fabrication of transparent conductive films using carbon nanomaterials
- Nanoscale observation of nanomaterials using scanning probe microscope and other microscopies
- Tip enhanced Raman spectroscopy on nanomaterials
- Synthesis and evaluation of the catalysts for water electrolysis
- Fabrication and evaluation of the electrode materials for polymer electrolyte fuel cell
- Observation of the morphology change of metal nanoparticles by electrochemical atomic force microscopy

Requirements:

- **Related discipline:** ABCT, AP, EIE;
- Year 3 or penultimate year undergraduate;
- Fundamental knowledge of physics and chemistry

Language Requirements:

- Good command of spoken and written English

Benefits:

- Waived tuition fee
- Furnished dormitory arranged by TTI; accommodation fee is required (Dormitory arrangement is subject to availability; If dormitory is not available, TTI will assist student interns to search for suitable accommodation.)

Application:

GEO will nominate shortlisted candidates to TTI. The below documents are required for the nomination:

1. Testimonial (A certification of your study at the University without details on subjects and subject results) (Apply through [Academic Registry - AR4](#))
2. Recommendation letter written by academic advisor
3. CV with list of research achievements (if any)
4. Academic transcript
5. Motivation statement (Download [template](#))