

**Naughton REU FSTEM Application 2023: OFFER OF TRAINING FORM SUMMER 2023**

<b>Proposer details:</b>	
Title:	Assistant Professor
Name:	Ekin Ozer
Email:	<a href="mailto:ekin.ozero@ucd.ie">ekin.ozero@ucd.ie</a>
Website:	<a href="https://www.ucd.ie/civileng/">https://www.ucd.ie/civileng/</a>
If your grade does not allow you to supervise students, please supply the name of support PI:	-

<b>Student required:</b>	
Specify any previous training / experience the student should have:	
Minor coding experience and exposure to finite element theory would be useful	
Study level (3rd year, 4th year)	3 <sup>rd</sup> year/ 4 <sup>th</sup> year
Any other requirements:	-

<b>Traineeship offered:</b>	
Brief job description: (please include (1) type of work, (2) what student should hope to achieve at end of the process, (3) who will supervise student on daily basis (post-doc etc.))	
<b><u>1- Development of finite element models of bridge structures through script-based modelling platforms (OpenSees) and verification through alternative software (e.g., Ansys, SAP 2000 or similar)</u></b>	
<b><u>2- Student will learn to implement finite element theory through low-abstraction and high-abstraction modelling platforms in a synergistic manner and will have hands-on experience through modelling real bridges' mechanical behaviour</u></b>	
<b><u>3- The student will be supervised by Dr Ekin Ozer</u></b>	
Link to research group or supervisor webpage:	<a href="https://people.ucd.ie/ekin.ozero">https://people.ucd.ie/ekin.ozero</a>
Location of lab:	Newstead, Belfield, Dublin 4

<b>Working hours:</b>	
Number of Weeks offered:	A minimum of 10 weeks
Hours per week:	35-40 hours per week
Earliest Start Date possible:	Tuesday, 30 May

Latest End Date possible:

Friday, 04 August