**PhD Project Proposal**

School of Electronics, Electrical Engineering and Computer Science

& ECIT Global Research Institute

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| **Proposed Project Title: Slow Light Radar Absorber** |
| **Principal Supervisor: Prof Vincent Fusco Second Supervisor: Dr Neil Buchanan** |
| **Project Description:**  In any type of radio transmission there is always a need to reduce reflections, scattering from objects. One well know example of this is stealth. In this project we wish to establish and characterise a new class of radar absorbers based on slow wave structures. This new type of material slows down the electromagnetic wave from the speed of light to a much lower velocity. By this approach the waves to be absorbed are around for a longer time than they otherwise would be, this gives a greater time for absorption.  This project would suit, any one with a background degree in Electrical Eng, Mathematics , or Physics |
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