



Presentations are about 40-60 minutes, preferably to more than 50 pupils. To arrange an event please email dwilleruk@yahoo.com.
Most speakers are willing to present 15 minute presentations on their careers to school assemblies.

	<p>Electric Vehicles and the Rocky Road to Green Transportation Peter James, Lyra Electronics Ltd. Hybrid or all electric? What advantages? What are the problems? And what do we need to do to achieve "all electric" by 2040? Are there other power systems available?</p>		<p>Godiva Awakes, Cyclopedia and Humming Bird Project Roger Medwell MBE, Godiva Awakes working party Roger will describe this project to create this giant puppet and demonstrate the "cyclopedia" and the new Humming Bird.</p>	
<p>Bloodhound SSC Willy Goldsmid, Bloodhound SSC Education Willy will outline the attempt to raise the world land speed record to 1000mph and show progress to date on this National educational project.</p>		<p>Energy storage and the problem of electric cars Graham Prebble, Chair, IET Coventry and Warwickshire Network Currently there are major problems with battery life but these may soon be solved. As the number of electric cars increases how will the National infrastructure cope with the demand for electricity? Finally, how will we pay for this?</p>		
	<p>A history of Robots Derrick Willer MBE (Volunteer IET Schools Liaison Officer) When were robots first thought about, what is necessary to make a robot work, through yester-year's examples to today's applications.</p>		<p>Marcell Batson-Warner An engineer having worked in cars, cans, cheese and cars again, Marcell is an engaging and amusing speaker who will enthral both girls and boys. She explains how engineering can be a rewarding, fun career.</p>	
<p>The Influence of Perception Orla Murphy, Young Woman Engineer of the Year, IET 2015, RAE 2016 Orla outlines her work at Jaguar Land Rover on infotainment and encourages both girls and boys to consider engineering as a career. Orla also plays the viola for the Birmingham Symphony Orchestra.</p>		<p>USA, Arctic and Indonesian Eclipses Mike Frost, Amateur Astronomer. Mike will intrigue pupils with descriptions of his recent travels to see eclipses of the sun in the far north, on the equator and USA. Mike has other presentations, www.mikefros.info</p>		
	<p>Abi Hiron, F1 In Schools - Academy Racing (End of Term Only) Academy Racing won the F1 In Schools UK Final and the fastest car at the International Final in Kuala Lumpur. Abi, the young lady in the team from WMG Academy for Young Engineers will describe how they designed and ran their car.</p>		<p>Future Road Vehicles and their role in Intelligent Transport Systems Detect a red light or a pedestrian on a crossing, put on the brakes! Tim Edwards and/or Douglas Mearns, Research Engineers, Horiba-MIRA The Horiba-MIRA project to make road vehicles and road management systems talk to one another in order to improve safety, reduce hold-ups and improve fuel consumption. (Within 5 miles of Horiba-MIRA please)</p>	
<p>Graphic Design Michelle Abraham, Graphic Designer, Illustrator & Copywriter Michelle will describe her career working with businesses of all areas, from accountants to self-published authors, showing examples of her work</p>		<p>F1 – Ordinary People Doing Extraordinary Things Steve Nevey, Chartered Engineer Steve was formerly with Red Bull Racing and has a wealth of interesting facts about advanced engineering for Formula 1 racing cars.</p>		
	<p>Model Engineering at its Best - Visit to Echills Wood Model Railway – Wednesdays in June/July 2 hours our including a tour of the 1.5Km track, the engine sheds, workshops, etc. and a ride on one of the trains. Maximum 16 per school party. Kingsbury Water Park 10:45am. and 12:45pm. Please note that the school is responsible for transport and the car parking charge.</p>		<p>Blending behavioural science, computer science, data analytics, engineering, and business model innovation. Ganna Pogrebna, Professor of Behavioural Science at University of Birmingham Ganna will outline her work to help cities, businesses, charities, and individuals to better understand why they make decisions they make and how they can optimize their behaviour to achieve improved results.</p>	
<p>Track Safe Derrick Willer MBE (Volunteer IET Schools Liaison Officer) Derrick leads the pupils to put together a bid for funding this implementation in Atlanta, Georgia USA. He and technicians can earn and routes to qualifications.</p>		<p>The Anatomy of a Mobile 'Phone Peter Anderson, Chartered Electrical Engineer What is inside your mobile 'phone'? How are all these apps integrated?</p>		
	<p>CERN and the Large Hadron Collider Prof David Evans, CERN and University of Birmingham Collide two protons together at almost the speed of light and what do you get. Sparks, Quarks, Whatever?</p>		<p>A History OF Robots Marcell Batson-Warner When were robots first thought about, what is necessary to make a robot work, through yester-year's examples to today's applications.</p>	
<p>Exo-Planets and the Search for Alien Life Thomas Killestine (End of Summer Term Only) Thomas will outline current methods of searching for life in our solar system and in others for earth like planets.. Thomas, age 21, won the Sir Patrick Moore</p>		<p>Product Design Nicole Analise Cox, Intern Engineer, Siemens Nicole will describe life at university and how her internship at Siemens has helped her. Nicole works on exciting projects to do with the railway, and even how we can use data to predict the future.</p>		
	<p>A History of Transport Derrick Willer MBE (Volunteer IET Schools Liaison Officer) From Shanks's Pony to the modern transport – sea, land, air, space. the future? Derrick also has a presentation on his career which has taken him into many countries across the world</p>			<p>Your future career is in your hands. But how to get there? Kelvin Lin, Graduated in Law and taught in a University but has now chosen to progress in a career of photography. Kelvin can advise on the education and career paths to follow for a successful career outcome.</p>
<p>Free yourself: become an engineer. Kim Everett, Powertrain Engineer, Aston Martin Lagonda Ltd. Kim will describe her education and career and the exciting world of Aston Martin Lagonda.</p>		<p>Effective Communication Yichan Cai, Management Consultant, FunKeyB Good communications are essential in almost all walks of life. But many are usually full of jargon that is unintelligible outside the particular work sector, nationality, religion or age. Yichan will try to debunk jargon and explain how to communicate clearly with others with different jobs or cultures.</p>	<p>Jack and Jill left for a wee break! Scotland ✓ England X</p>	
	<p>Spacecraft Are Robots, Dave Eagle, Amateur Astronomer Also has a 6M dia. Planetarium for hire www.star-gazing.co.uk</p>			<p>Electronics Made Easy Naim Kapadia As well as outlining his career with the MTC, Naim will introduce pupils and teachers to the MTC's Electronics Made Easy campaign. This can be in-school but preferably at the MTC where pupils can see the wide range of technology available.</p>