

Science Direct

Road Safety Audit

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The article shows that observance of automobile roads design and construction standards does not guarantee safety of traffic.

The focus is put on the weakest component of the traffic system – “a person” in the context of growing motorization and psychological stresses and increase of accidents risks. Substantiation is provided for the conclusion about the necessity for using additional tools capable of minimizing accidents risks stipulated by the human factor.

We have examined the world road industry experience 3 decades long and the results of its continuous methodical improvement.

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7.01.061



This issue

Association Update

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ROADSAFE

Safety Features

Association update: Conference season is upon us.

As many members will be aware, AIRSO has historically held its main conference at the Hinckley Island hotel in Leicestershire. This year's conferences will again use the Venue.

Interesting times ahead for us this year though, with the first Women in Enterprise event hosted by Lifestyle Coach Wendy Derrick, being held during the conference, along with Drivemetrics, hosted by Associate Professor Lisa Dorn.

We welcome both the Fire and Ambulance service driver training advisory groups to the conference on the Tuesday which kicks the week off.

This year's fleet conference will be moved to September under the supervision of Simon Turner (AIRSO Council) who many will know as the Driving for Better Business Campaign Manager. Simon has engaged with Highways England and undertaken an enormous amount of preparatory work for the event, so don't miss out when the details are published. This event will be held in Birmingham.

Colin Pettener MBE



Many of you know Colin. He has been a constant guiding light within the association for many many years.

Colin at this time is very poorly and undergoing exploratory tests.

The association is in regular contact with him and his family, if you wish to send your thoughts to Colin please contact the secretary for details

We send him our warmest and most sincere best wishes for a speedy recovery.

May has been a hectic month for those interested in fleet driver safety with three conferences in various parts of Birmingham held in the space of just 8 days!

ACFO Spring Seminar (18th May)

The first of these was the ACFO Spring Seminar held at The VOX by the NEC, and delivered in conjunction with TomTom Telematics and Lex Autolease.

Telematics has made one of the biggest contributions to fleet safety over recent years, but only where it has been introduced and managed effectively. That means having people who can understand the reams of data that it generates in order to see accurately how drivers are behaving, so they can implement appropriate interventions to improve that behaviour.

The day included a case study from Graham Short of Zip Water showing how telematics had delivered great improvements in efficiency, compliance and driver safety for the business.

Dr Lisa Dorn then took the stage to talk about the psychology of drivers and its effect on their behaviour. Startlingly, recent surveys have shown that the number of drivers admitting to using a hand held phone has increased dramatically in the last few years.

She also highlighted that speed is a factor in 30% of crashes, and that fatigue is the main cause in 4% of all fatalities. Getting drivers to correctly quantify the risks of their actions while driving is plainly a continuing problem and employers and driver trainers therefore need to be aware of the various cognitive biases that lead drivers to behave in this way.

Alison Moriarty, Fleet Risk and Compliance Manager for Skanska then talked to us about compliance best practice and how this can lead to a much safer driving culture within business. Key to this, Alison felt, was addressing the overly lenient attitude that many employers display towards errant drivers.

If an employee stole from the business they would be breaking the law and would be disciplined. Drivers who regularly speed on company business for instance are also breaking the law and putting the business and other road users at risk. The challenging question put to the audience was therefore whether drivers shouldn't be treated and disciplined in the same way as other law breakers?

ETSC PRAISE Conference (23rd May)

The second conference, held at the Crowne Plaza NEC, was organised by ETSC in conjunction with another telematics firm, this time MiX Telematics. The morning session included an update on the ETSC PRAISE programme which promotes work-related road safety across the whole of Europe. While the UK and Scandinavia perform very well and have the lowest levels of casualties per million population, the differences between us and Eastern and Southern Europe were stark, and the challenges they face to change local driving cultures immense.

The afternoon session included two exceptional case studies from National Vehicle Distribution – a Irish automotive logistics firm and 2017 PRAISE award winner – and Wincanton Logistics from the UK. Both of these case studies highlighted the importance of driver engagement through effective and tailored training programmes that were based around the lessons learnt from properly understanding the data coming out of the telematics systems and any other technology in use.

Published 14 December 2017

From:

[Department for Transport and Driver and Vehicle Licensing Agency](#)

At the end of September 2017, there were 38 million vehicles registered for use on the road in Great Britain

During July to September 2017, there were:

657,000 cars were registered for the first time, of which:

54.1% were petrol

40.5% were diesel

5.4% were hybrid vehicles (of which 2.3% were plug-in hybrids)

14,600 Ultra Low Emission Vehicles (ULEVs) registered for the first time, the highest figure ever recorded for July to September



UK Fleet Industry Review April 2017 In association with The University of Buckingham

<https://www.buckingham.ac.uk/wp-content/uploads/2017/04/pnc-2017-04-industry-review.pdf>

New research from

<https://roadsafetysupport.cmail19.com/t/y-l-kjujdkd-tiikiytuky-t/>

Fleet News

A competition to bring a new mobile breathalyser to the market has been launched, while the RAC Foundation is to trial a new approach to road casualty investigations.

The Government is committing £350,000 for a competition for companies to bring the new mobile breathalyser to market.

Roads minister Jesse Norman said: “The drink drive limit has helped to give us one of the safest road networks in the world but there is always more we can do.

The competition is being run by PACTS (Parliamentary Advisory Council for Transport Safety) in the summer, and will invite companies to submit proposed technologies which will rapidly calculate the amount of ethanol in exhaled breath for use at the roadside.

It is expected police forces throughout the UK will be able to use the device by summer 2020.

RAC Foundation will work alongside DfT, Highways England, DVSA and the police to gather learning that will help inform Government’s long-term strategy for road safety.

Brake Fleet Safety Conference (25th May)

Last stop on my Fleet Safety tour of Birmingham was the Brake Fleet Safety Conference at the Birmingham Conference and Events Centre.

The morning session of this conference focused on the challenges faced as we move towards autonomous cars and asked whether we as drivers can keep up with the technology, understanding and using it effectively? There is a strong argument for training drivers to understand and use the new ADAS technology for it to work at its best and to enable drivers to trust it.

A really interesting take on the challenges presented by technology revolved around attitudes of young drivers to driver distraction.

Those of us who started driving before mobile phones were invented couldn’t wait to win our freedom behind the wheel. Technology now presents a significant distraction to us, diverting our attention away from the road in a way that wasn’t there when we started.

Now flip that on its head to look at driver distraction in a new light. Young drivers passing their test today are addicted to their Smart phones – they now see driving as a distraction from their internet use rather than the other way around.

This was brought home to me very clearly on the train home as I write this. Sat opposite a young mum and her small toddler who were bemoaning the poor internet coverage available in the train as we went through Coventry - “googoo, gaagaa, wifi” mumbled the baby boy from behind his dummy!

The theme of younger drivers was also picked up by John Boocock of Fleetmaster in the afternoon, but from an experience point of view. He was shedding light on the problem of driving experience among younger drivers for two reasons.

Since passing their test, those aged under 25, statistically the highest risk as we all know, may not have had the funds to buy, insure and run a car, or they may not have needed one had they been to college or university. Employers therefore need to be very careful when asking drivers in this age group to drive for work, and should ensure they are assessed and trained appropriately. Under 25s account for less than 1 in 12 drivers yet they are involved in 20% of all fatal crashes. Failure to address this issue could prove to be a very costly business decision for employers.

ACFO: Alison Moriarty, Fleet Risk and Compliance Manager for Skanska (Picture 1)

ETSC: Jonathan Bates, Director at MiX Telematics (Picture 2)

Brake: Sarah Plumb, Senior Fleet Officer at Brake opens their conference (Picture 3)



All in all, an exhausting but highly informative week!

Simon Turner MAIRSO is the RoadSafe Campaigns Director in charge of the Driving for Better Business Campaign.

137 Workers killed at work in 2016/17

Agriculture and Waste and recycling come out worst, with a rate of injury some 18 times and 15 times higher than the average across all industries respectively.

In both the manufacturing sector and the transportation and storage sector the fatal injury rate is around twice the all industry rate.

While the combined Wholesale/retail trade; vehicle repair; accommodation and food services sector account for around 7% of fatal injuries, in terms of rate the sector is relatively low risk with an injury rate less than half the all industry rate

Despite long term reductions in the number of workers killed by work activities, each year such cases continue, with 137 such deaths in 2016/17p. This number compares with 287 twenty years ago (1996/97) and 495 in 1981 (prior to 1981 only fatal injury numbers to employees were reported to enforcing authorities).

A road worker has been fatally injured after allegedly being struck from behind by plant.

The incident, which took place at about 00:50am on Friday 1st May, during night works to upgrade the Runnymede Roundabout on the A30 in Egham Surrey.



Early eye witness reports say that the man, who worked for surfacing contractor Toppesfield, was dragged along the road for more than 15 feet by the plant machinery.

He is believed to have suffered serious head injuries and was pronounced dead at the scene of the tragic incident on the busy A30 at Egham, Surrey.

The principal contractor carrying out the works on behalf of Surrey County Council is the Buckingham Group, who have released the following statement:

"It is with immense sadness and regret that we must confirm that a fatal accident took place during a night-shift at our Runnymede Roundabout project in the early hours of 1st June 2018.

"The accident is being investigated by the police, our directors and HSEQ Team, and the specialist surfacing contractors, Toppesfield Ltd.

"The Health and Safety Executive has been fully notified of the circumstances.

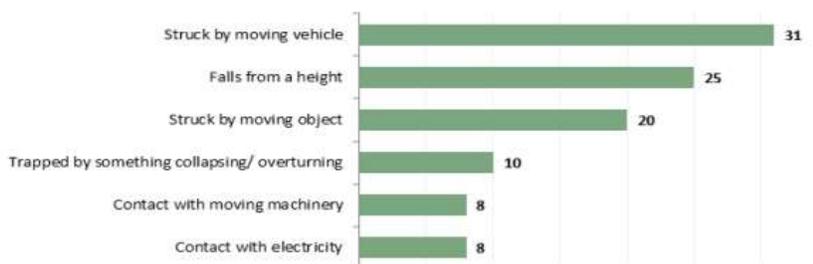
"The company's primary concerns and considerations at this stage are for the welfare and interests of the deceased person's family and all work colleagues involved, and no further details can be provided at this time."

In a statement regarding the incident, a Surrey police spokesperson said:

"Officers, and paramedics from the ambulance service, were called at around 12.50 this morning (1 June) to reports that a man had been injured in a collision with plant machinery at the site.

"Sadly he passed away at the scene. His next of kin have been informed."

Main kinds of fatal accident for workers Rate of fatal injury per 100,000 workers



AIRSO are delighted to promote women in business and enterprise, associated with the road safety industry on Wednesday the 29th August starting at 10am.

The meeting is open to anyone engaged in road safety and leadership promoting women in industry.



I am delighted to be hosting AIRSO'S first conference promoting women in enterprise.

As Director at Leading Confidently Ltd, I am passionate about supporting organisations to develop their female staff at all stages of their career to achieve greater gender balance which makes fundamental business sense.

Wendy is an award winning ILM L7 Executive Coach and Leadership Mentor, Leadership Trainer and Assessor.

The speakers include;

Wendy Derrick;

Director at Leading Confidently Ltd.

Cerys Furlong;

Chief Exec at Chwarae Teg (Fair Play).

Anne –Marie Penny

Senior Programme Manager, Road User Safety. Strategic Safety Team Highways England

Carly Brookfield;

Chief Executive Driving Instructors Association.

Kathy Higgins;

Director of Insight 2 Drive Ltd.

Sandra Macdonald Ames;

Pertemps. National Driver Training Manager.

You can book your AIRSO conference place by contacting the AIRSO Secretary.

gareth@airso.org.uk

UK female entrepreneurship: the facts

To illustrate the state of female entrepreneurship in the UK, here are a few facts:

- Between 2008 – 2011, women accounted for an unprecedented 80% of the new self-employed (ONS, 2013)
- 10% of UK women think about starting a business (Government Equalities Office, 2008)
- Women are nearly five times more likely than men to cite family reasons as motivation for self-employment (ONS, 2009)
- Women start businesses with around one-third of the finance of men (ibid Carter & Shaw, 2006)

Positive changes are taking place to help women grow their ventures, including growth in the number of female investors, targeted support services and investment funding that includes dedicated mentoring

National Blue Light User Conference 2018

The National Blue Light Conference is designed for anyone who manages or trains drivers who, during the course of their work drive emergency vehicles. This can be for the public, private or voluntary sector.

This years' conference organiser, Conference Chair Kevin Dell of Oxfordshire Fire and rescue.

RescueKevin.Dell@Oxfordshire.gov.uk

“I am pleased to be the chair for this year’s conference and hope that all that attend this year will be able to participate and bring their knowledge and expertise to all the sessions and share all the extremely good ideas/practices that are out in the world of response driver training”.



A varied programme exploring the relevant issues within the industry from a range of areas integral to managing the risks associated with technology and collaborative cross service working are lined up to make this an informative and exciting conference not to be missed :

- Chief Fire officer – Simon Furlong Oxfordshire
- Associate Professor – Dr Lis Dorn
- James Luckhurst – Blue Light Aware
- Stuart Gemmell – In vehicle cameras and claims
- Dan Campsall – The Challenge of Governance public sector shrinkage
- Samuel Smith – Developing simulation for the blue light industry
- Gareth Morgan – Training simulators
- Wendy Derrick – Leadership
- Question Time – Collaboration
- Driver intervention i.e. effect on safety performance.
- Affecting organisation driving behavioural change.

What is an emergency vehicle

An emergency vehicle is classed as a vehicle used:

- for police purposes (but not necessarily a police vehicle, e.g. search and rescue)
- for firefighting purposes (but not necessarily a fire brigade vehicle) including local councils and the Forestry Commission as well as fire salvage work
- for ambulance purposes (but not necessarily an ambulance vehicle, e.g. cave rescue) including the movement of sick, injured or disabled people and for moving human organs
- for bomb disposal
- for nuclear accidents
- for mountain rescue
- by the Royal Air Force Armament Support Unit
- by the National Blood Service
- by HM Coastguard
- for mine rescue
- by the RNLI for launching lifeboats
- by HM Revenue and Customs by the

ROADSAFE®

Prince Michael opens the ITF Summit with a call for a Three Point Plan of Action

24 May 2018

Speaking at the Opening Plenary: [Safe and secure transport for the 21st century during the ITF summit](#) HRH Prince Michael of Kent outlined a three-point plan, to set a new UN target for 2030, to boost funding, and to increase political commitment for road safety, is inter-related.

He said, " A target is needed to measure performance, funds are needed for effectiveness, and political commitment is needed for action. All three are about leadership. The ITF Summit is a unique forum where Transport Ministers can demonstrate leadership"

Explaining how road safety was an issue of personal concern, and a passion he said:: "Three decades ago I established my Road Safety Awards to recognize advances in road traffic injury prevention. The awards began in the United Kingdom at a time when my country experienced more than five thousand fatalities every year. Today, with the consistent application of policies to make vehicles, roads, and road users safer, the UK now loses fewer than two thousand people killed in road crashes each year.

My awards are now fully international and over the years I have very much enjoyed meeting the diversity of winners around the world. These have included governments, research organisations, philanthropies, businesses and civil society groups all devoting their energies to saving lives on our roads. In 2011 I was pleased to create a special annual award for the United Nations Decade of Action for Road Safety.

It should come as no surprise that in 2016 my Decade award was given to the [International Transport Forum](#) for its report: [Zero Road Deaths and Serious Injuries Leading a Paradigm Shift to a Safe System](#), and also in recognition of their outstanding research and recommendations over a number of years. In 2008, for example, the ITF published another important report entitled "Towards Zero Road Deaths: Ambitious Targets and a Safe Systems Approach". And whilst the ITF's reports may not always have the snappiest of titles, the quality of their research, based on input from governments and experts across the OECD countries is undeniable. "



Diary dates

AUGUST 2018

28th 29th 30th

**Its getting closer.
Ensure you are
ready!**

The AIRSO National Blue light
users conferenc 2018.

Fire and Rescue Service

Ambulance service

Police Service

Privateers

Women in Enterprise

DRIVEMETRICS

15 November 2018

Etc venues, Manchester
NORTH OF ENGLAND

TRANSPORT SUMMIT

For 2018, the North of
England Transport Summit
has returned to Manchester!

Supported by Transport for
the North, the 3rd Annual
North of England Transport
Summit will include the
following themes:

Tackling Potholes and Improving Road Infrastructure:

Public Policy Exchange
conferences@publicpolicyexchange.co.uk

Maintaining the Local Highways Network

Central London

Wednesday 12th September 2018

KEY SPEAKERS:

Peter Shone

Director

JPCS

Improving Regional Public Transport Infrastructure

Driving Innovation, Flexibility and Integration in Local
Services

Strand Palace Hotel

Thursday 28th June 2018

Stephen Joseph OBE

Director

Campaign for Better Transport

Chris Stevenson

Head of Commissioning, Connected Essex, Integrated
Transport

Essex County Council

Joe Irvin

Chief Executive

Living Streets

Philip Lightowler

Head of Public Transport

Kent County Council

Jools Townsend

Chief Executive

Mental Health 2018

Delivering the Five year Forward View

19th of September 2018 - RSM, London

The independent Mental Health Taskforce published its Five Year Forward View in February 2016 which set out the current state of mental health service provision in England and made recommendations in all service areas.

In July 2016, NHS England published an Implementation Plan detailing how it will deliver the recommendations made by the Taskforce working with its partner arms-length bodies. The Plan presents the timeframes and funding for delivery of the programmes of work which will transform mental health services.

Mental Health 2018 - Delivering the Five year Forward View is an opportunity to consider progress of the Implementation Plan and monitor progress on it's commitments to transform mental health services.

Register to Attend

[What's next for public service providers, markets and consumers in Scotland? Conference - Tuesday 4th September 2018, Edinburgh](#)

[BOOK A PLACE HERE](#), [email Gail](#) or call 0131 556 1500. If you are interested but not ready to book, [email Gail](#) and she'll hold you a place until you are.

**At the AIRSO 2018 Blue Light
Conference**

DriverMetrics® 

PARLIAMENTARY ADVISORY COUNCIL TO RUN COMPETITION TO ENCOURAGE THE DEVELOPMENT OF MOBILE EVIDENTIAL BREATH TESTING INSTRUMENTS

The Parliamentary Advisory Council for Transport Safety (PACTS) has been awarded a grant by the Secretary of State for Transport to run a competition to encourage the development of mobile evidential breath testing instruments (MEBTI) which meet Home Office type approval requirements.

Up to £350,000 will be available to encourage manufacturers in this sector to invest in devices which meet the UK standard.

Currently, when a driver provides a positive alcohol screening test by the roadside, the police are required to take the driver back to the police station to obtain an evidential sample. The Government, in its 2011 Strategic Framework for Road Safety, committed to obtaining type approval for roadside evidential equipment. The Home Office Type Approval Standard, which these devices must meet, is the most demanding standard in the world, to ensure a high-level of accuracy and reliability that will stand up to legal challenge and the operational needs of the police. Until now, manufacturers have not invested sufficiently in devices which meet this standard. This competition will be designed to incentivise them to do so.

The competition aims to result in one or more type approved devices which can be operated by police forces throughout the UK by July 2020. It will involve three stages with money awarded to one or more manufacturers at each stage.

David Davies, Executive Director of the Parliamentary Advisory Council for Transport Safety, said: "PACTS is delighted to have the opportunity to take forward this initiative. PACTS strongly supports efforts to reduce drink driving and the casualties which result. The number of GB deaths involving illegal levels of alcohol has not changed significantly since 2010, while the number of serious injuries rose in 2016 to its highest since 2012. Evidential roadside testing will greatly improve the effectiveness and efficiency of police enforcement, and we hope will lead to substantial reductions in deaths and injuries."

Background

Legislation enabling use of mobile evidential breath testing equipment by the police was an amendment introduced by PACTS vice-chairman Viscount Simon to what became the Serious Organised Crime and Police Act 2005.

PACTS will run the competition with support from the Home Office and the Department for Transport and the Defence Science and Technology Laboratory (Dstl). PACTS will draw up a specification, advertise the competition, evaluate the bids with a panel of specialist advisers, and recommend the winner or winners at each of three stages. £350,000 is available for award by PACTS as a result of a DfT grant. The final payment will be made if type approval is achieved.

For further information: See PACTS website <http://www.pacts.org.uk/>

About PACTS

The Parliamentary Advisory Council for Transport Safety (PACTS) promotes evidence-based policies to improve to road, rail and air safety. It works with government, parliament, experts and stakeholders. It supports the All-Party Parliamentary Group for Transport Safety. It is a registered charity. See <http://www.pacts.org.uk/>

The Defence Science and Technology Laboratory (Dstl) is an Executive Agency of the MOD, run along commercial lines. It works to apply cutting-edge science and technology to keep UK Armed Forces, and the British people, protected from harm.

Further media information:

PACTS David Davies david.davies@pacts.org.uk 020 7222 7732

European Union lists safety features mandate for 2021

by [Jimi Beckwith](#) 17 May 2018

A host of new safety features is heading to cars for 2021, as the EU continues its quest to reduce road fatalities to zero by 2050



Twelve [new safety features](#) are to become mandatory on cars from 2021 onwards in the EU's latest effort to cut road deaths. Currently, road deaths stand at [26,000 per year across the EU](#). The aim is to reduce this to 13,000 and halve the number of serious injuries by 2030.

Since 2010, fatalities on EU roads have reduced by 20%, but the European Commission acknowledges that there has been no significant drop since 2013. The new measures are expected to save the lives of 10,500 people and prevent an estimated 59,600 serious injuries by 2030.

The new mandatory features, listed below, [cover several facets of road safety](#) and constitute the first update of vehicles' minimum EU safety standards since 2009. Many of these features are already offered on cars, often as options.

- Advanced emergency braking. Alcohol interlock installation facilitation
- Drowsiness and attention detection. Distraction recognition and prevention
- Event (accident) data recorder. Emergency stop signal
- Full-width frontal occupant protection crash test, plus improved seatbelts
- Head impact zone enlargement for pedestrians and cyclists, plus safety glass
- Intelligent speed assistance. Lane-keeping assist
- Pole side-impact occupant protection. Reversing camera or detection system

Several further systems are proposed for inclusion on commercial vehicles. These are either already mandatory on cars or not relevant to them.

[Automatic emergency braking \(AEB\) and lane-keeping assist systems are a requirement of Euro NCAP](#) for a car to receive a five-star safety rating. This rule was introduced in 2018 – a year later than planned, following backlash from areas of the industry claiming that this was too difficult to implement. It's not yet against EU law to sell a car without the systems fitted, though, despite the insurance industry's acknowledgement that the system reduces rear-end accidents.

One of the more controversial systems planned for introduction is intelligent speed assistance, which can control the speed of the car by adhering to the speed limits where possible. The system can be turned off temporarily and is widely available on a variety of cars already, although critics highlight that it's the first step towards total governance of a car's speed, plus the possible insurance ramifications of turning the system off temporarily once the system is a legal requirement. Alcohol interlock installation facilitation is a more radical feature. It will stop the driver from using the car if alcohol is detected in their system. Despite some EU states having breathalyser-carrying laws and breathalyser immobilisation technology available to buy, this technology has not yet been written into law.

The EU's proposal has been universally praised by road safety groups.



Secretarial services

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Upcoming Events

AIRSO: National Blue Light Conference.

The date is set at the 29th and 30th of August. A diverse number of speakers have been successfully encouraged to present, with the focus on technology and Collaboration.

National Fire Service Driver Advisory Group (DTAG).

The Fire service will be holding their DTAG meeting as a curtain opener to the 2018 Blue light conference. Bookings are now being taken. The event is on Tuesday the 28th of August 2018.

AIRSO: Fleet Conference

We are delighted this year to have Simon Turner as the chair for the fleet conference. This conference will be held in September in Birmingham.

AIRSO: Women in enterprise conference, supporting women's economic empowerment"

This conference will be hosted by Wendy Derrick on Thursday the 30th of August 2018. Wendy is Director at Leading Confidently, an Award Winning Executive Coach and Leadership Mentor

Drivermetrics: Psychometric Conference – Driver Management

Hinckley Island on Tuesday the 28th of August 2018

Presentation of the 2018 AIRSO Fellowship certificates

Hinckley Island on the afternoon of Tuesday the 28th of August 2018

Site Visit to the Driver Simulation Centre XPI, Surrey

October, final date to be confirmed

We lost some members during May; This is how one said goodbye

Many thanks for your email of May 10th and my sincere apologies for not replying sooner. It is correct that I have cancelled my AIRSO subscription as I have now retired and, in latter years, have had very little involvement with the organisation.

I am full of admiration for the work done by AIRSO and think that its achievements and influence are hugely impressive, especially given the fact that it is relatively small. There is something reassuring about a group of people who know what they are talking about, and who are experts in their field, developing policies and proposals that are both evidence based and effective. Something of a rarity these days! I wish the Association all the very best for the future.

Kind regards

Michael Woodgate

We wish Michael well on his retirement.



And Finally, we now have 99 Followers on