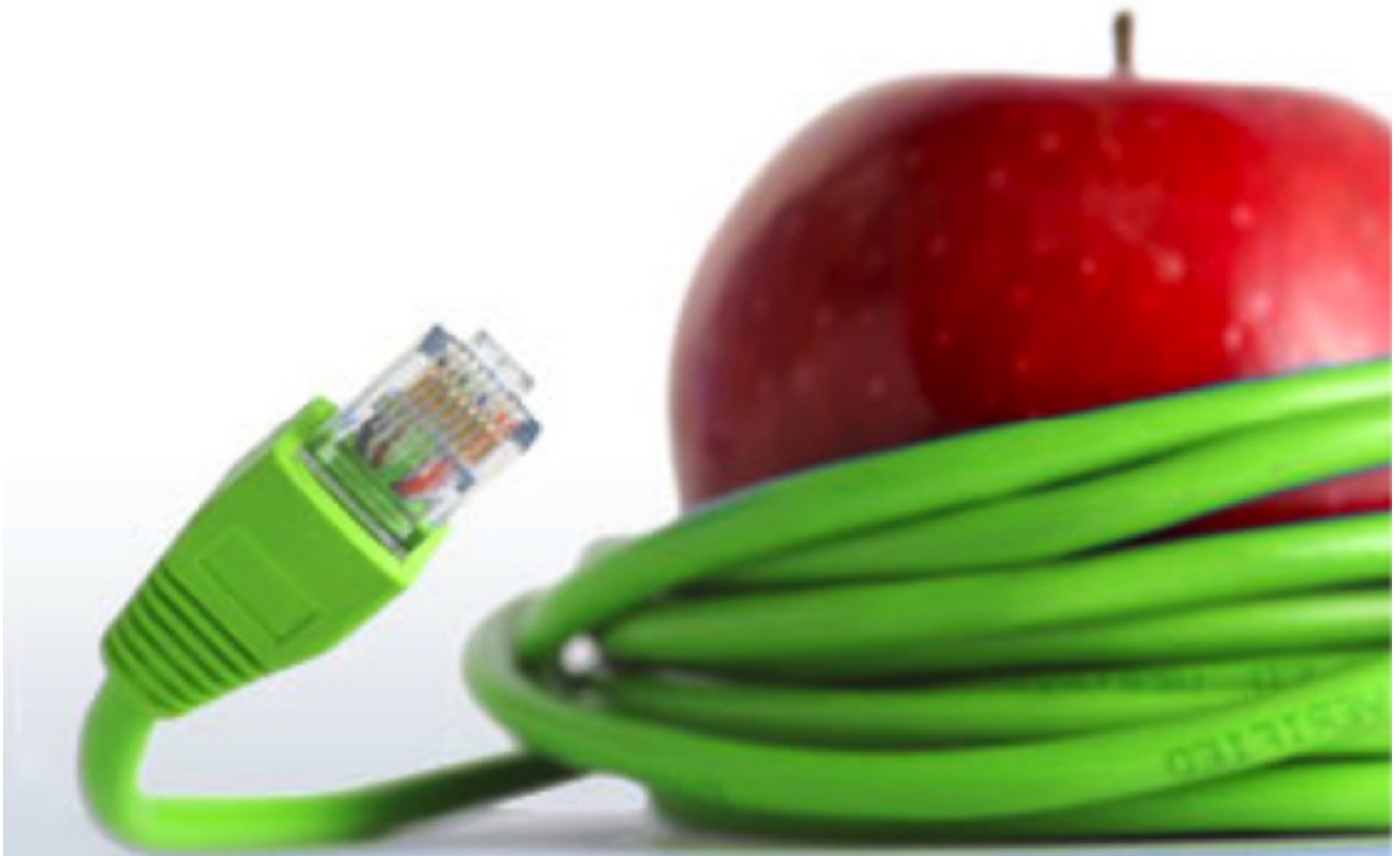


European Knowledge Tree Group (EKTG)

Developing Digital Transformation of Health and Care for an Ageing Society - The Education Perspective

Symposium at the House of Lords
Tuesday 22nd November 2017

Programme



Innovate UK
Knowledge Transfer Network



Developing Digital Transformation of Health and Care for an Ageing Society - The Education Perspective

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EKTG Leadership Group

Peter Saraga, Chairman,
Somen Banerjee,
Stephen Bennett,
Michael Gordon,
Steve Smithson,
Ron Summers,
Ron Wheatcroft,
Alan Willis, Treasurer,
and Maggie Ellis, Co-ordinator

EKTG Planning Group for this Symposium

Peter Barnett, Adviser Baroness Greengross,
Richard Foggie, KTN,
Michael Gordon, Touchpoint and EKTG Leadership Group,
Steve Smithson, LSE and EKTG Leadership Group,
Alan Willis, EKTG Leadership Group,
and Maggie Ellis, EKTG Leadership Group

EKTG International Ambassadors

Christiane Brockes, Switzerland
Henk Herman Napp, Netherlands
Sabine Lobnig, Austria
Sofia Moreno Perez, Spain
Peristos Spiros, Greece

The European Knowledge Tree Group (EKTG) would especially like to thank the Baroness Greengross and her staff for their support and guidance for this Symposium. We are delighted to have such eminent contributors coming from so many countries.

We are also very grateful to INNOVATE UK/ KTN, have supported this event.

Background to our work in EKTG

The first meeting of the European Knowledge Tree Group for eHealth (EKTG) took place in Denmark in September 2010, supported by DG CONNECT in Brussels. This was followed up by a Symposium at the London School of Economics (LSE) later that year attended by strategically important invited guests.

Seven years later, EKTG comprises a widely drawn group including policy makers, designers and implementers, as well as academics, third sector, central and local government, health professionals and leaders of large and small businesses. The group shares a desire for fundamental change in the way ageing is perceived and cost effective eHealth is delivered.

Through our cross-EU activity over the last seven years, we have identified first the need for better services and now the need for better understanding and implementation of digital and eHealth technologies by us all. Cost effective services exist in a few places, why?

We believe that the changing demography with an increasing ageing population coupled with fact that evolving mobile technologies creates a huge opportunity for innovation in delivering services in the community, especially to older and disabled people. Where the cost effective services for people with a mental health problem, a chronic health condition, etc., have been used, excellent results come, users feel more responsible for their health and money has been saved. We have strong support for this from senior officials in Brussels for better education and there is a growing commitment across Europe to rapid deployment of eHealth services. It is an important part of Europe's strategy for a healthy ageing population and for effective management of chronic conditions.

Although technologies have been extensively trialed and evaluated creating a substantial and growing evidence base, we have yet to establish such services nationally. England in particular lags behind. eHealth has not reached educational courses or academic curricula to any great extent. Many people in the associated workforce function are without any recognised or formal qualifications or cover for legal and ethical matters. Are we heading for trouble?

Potential service and supply partners such as health commissioners, social care providers, retail channels and installers must understand each other's concerns and the value innovations that need to be made. Employers are often unaware of the extent of their responsibilities to employees working off-site. Further educational opportunities are needed. We plan to innovate these.

We welcome you and the opportunity for debate and innovation.

Further information: M.Ellis1@lse.ac.uk and westsqas@mac.com

We would like to thank YOU for joining us. We are not a Membership Group, but do depend on the continued enthusiasm and contributions from you and people like you, without whom there will not be developments to the benefit of the citizens of Europe.

We are seeking formal EKTG Supporters who will contribute to this innovation.

We are also planning our next Symposium on January 23/24, 2018, in London supported by NATWEST/RBS at their London HQ.

A flyer for this event is provided with this programme. **How you can contribute?**

How do encourage professionals and consumers to use technology to support healthier and independent living? In this ageing population we need everybody to accept greater personal responsibility. We all need Service Providers to offer open access records, saving staff time and energy.

EKTG addressed these topics at the AAL Forum in October in Portugal. This followed up the workshop in Switzerland last year. Since then we have had closer collaboration with colleagues and now want to extend those early initiatives to a wider Forum, which we will do next January. EKTG have reviewed the effects of financial stringency on the statutory bodies in Europe and beyond, the need for wider understanding of assistive living technologies, needs, and applications of practical cost effective services. This session will summarise cost effective Active Assisted Living, Digital Services, and Technology systems, their application and identify specific education formats and today asking you what can you contribute?

The main effort of this session being spent matching opportunities offered by identified Solutions, the EU Blueprint activity and topics raised by our speakers. We will also promulgate opportunities for education and training for these groups and how these can be launched speedily. We will ask 'What can you do?'

The publication 'The Local Authority Of The Future Where The Citizen Comes First – Transforming local public services using a digital-first, citizen-centric approach to governance' identifies the potential gain from Open Access to records in Local Government.

We would add the importance of:

Maximizing options, avoiding critical health and care, encouraging personal healthy living

Added social values through collaborative care

Leadership and Development issues

Legal and Ethical Issues

The European Knowledge Tree Group (EKTG) is dedicated to finding a solution by working towards improving Education and Understanding of how technology can assist better healthier living. It is easy to put up barriers to change. In reality it is simple eHealth is a term which includes Health Informatics, Telemedicine, and Telecare. We have the data to show that cost effective systems exist and are in use elsewhere. Sadly, England is lagging behind in the process.

This House of Lords Symposium, kindly hosted by Baroness Greengross, follows in the footsteps of two highly successful workshops run by EKTG at the recent AAL (Active and Assisted Living) Forum Meeting in Portugal and Switzerland. The recent workshop, entitled **Better education and understanding supporting increasing adoption of AAL Solutions in practice** identified awareness creation, education, and training in AAL for everyone.

The aim of this symposium is to innovate a better knowledge base and a system for education and understanding of how technology can assist. Data will be presented and facts shown to be real services which users and their families like and use. Our recent Sessions at AAL Forum highlighted that industry and professionals are not meeting legal and ethical standards when they provide eHealth services. The standards in the USA are often higher than those in Europe. We urgently need more effective systems to serve and involve society.

Symposium Programme

Symposium: Developing Digital Transformation of Health and Care for an Ageing Society - The Education Perspective.

Wednesday, 22 November 2017

at Committee Room G House of Lords, kindly hosted by Baroness Greengross

(Speaking time in brackets)

Registration 09.45 – 10.30 (coffee 09.45-1015)

Symposium 10.30 -13.00

Networking and buffet lunch 13.00 –14.00

Background to the Symposium

EKTG has been working towards improving Education and Understanding of how Technology can assist better healthier living.

It is now time to encourage better awareness for both professionals working in this field and citizens alike. EKTG brings together, Users and their families, Industry, Service providers, Academics, and Policy Makers from technology and health backgrounds. EKTG addressed these topics at the AAL Forum in Portugal, Switzerland and elsewhere. Since then we have had closer collaboration with colleagues and now want to extend those early initiatives to a wider forum. EKTG have reviewed the effects of financial stringency on the statutory bodies in Europe and beyond, the need for wider understanding of assistive living technologies, needs, and applications of practical cost effective services. This symposium will summarise cost effective Active Assisted Living, Digital Services, and Technology systems, their application and identify specific education formats.

We are aware that several good examples exist elsewhere but these are less known in England. Speakers will cite cost effective examples of service provision.

Aim of this Symposium: The main effort will be spent matching opportunities offered by AAL Forum Solutions, the EU Blueprint, Making Cities Smart and better education.

To innovate a system to support better awareness of the need to improve education and understanding of how technology can assist for a healthier population, and to identify support from others outside EKTG for this. We will ask 'What can you do?'

10.30 Welcome by Baroness Greengross (3)

10.34 A short report of outcomes from EKTG Session at the October AAL Forum in Portugal:

Richard Foggie, Leads on 'digital' in the electronics team, Smart X, IoT, Knowledge Transfer Network, INNOVATE UK and a member of EKTG Planning Group (4)

10.38 Emma Tebbutt, Technical Officer, Global Cooperation on Assistive Technology (GATE) WHO Geneva Office, "Using Assistive Technology for a healthier Europe" (5)

Lord Willis, Member, UK Parliament Long-Term Sustainability of the NHS Committee, What should policy makers do towards a healthier Europe? (5)

The Rt. Hon. Norman Lamb, MP, Chairman, UK Parliament Science and Technology Committee, How can we encourage Policy Makers to understand Science and Technology in an ageing population? (5)

10.53 Discussion (10)

11.03

Christiane Brockes, Zurich University, alcare Wil and EKTG International Ambassador
Educating the professionals (5)

Sofia Moreno-Perez, EU RITMACORE Partner, Madrid, and EKTG International Ambassador
Educating the service providers (5)

Hazel Harper, Innovation Lead Disease Prevention and Wellbeing, INNOVATE UK Educating to ensure Innovation (5)

Josie Tetley (Nursing - Ageing and Long Term Conditions), Faculty of Health, Psychology and Social Care, Manchester Metropolitan University - Educating for Sexual problems. (5)

Michael Gordon, EKTG Leadership Group and Touchpoint
Issues faced by the entrepreneurial assistive technology companies (5)

11.28 Debate Chaired by Peter Saraga, Chairman EKTG

Ann Williams, Commissioning and Contract Manager, Liverpool City Council
Issues with Commissioning Services (2)

Raguraman Padmanabhan, Telehealth/Care Navigators Clinical and Service Lead, East London NHS Foundation Trust, Issues with Innovating Services (2)

Michael McGhee, Community Service Director - Adults, Newham
Issues with Managing Services (2)

Rupert Hipwell, Director of Population Health Management, Philips –
Issues for Industry to meet demand (2)

11.38 Nick Fahy, Recently, EU DG Health and Consumers, Head of the Health Information Unit and Senior Researcher, Oxford University –

Understanding responsibilities for health, cost effectiveness and healthier citizens (5)

11.43 Open debate with all participants –

Chaired by Peter Saraga, Chairman EKTG

12.30 Maggie Ellis, Coordinator EKTG Making Cities SMART -The way forward (4)

12.34 Alan Willis, EKTG Leadership Group - Short Summary (5)

12.39 Final discussion

12.55 Peter Saraga, Chairman EKTG - Well, what will you do?

13.00 – 14.00 Networking and Buffet Lunch

More information about our Chairman and Speakers in order of presentation:

Sally Greengross has been a cross bench (independent) member of the House of Lords since 2000 and co-chairs five All-Party Parliamentary Groups: Dementia, Corporate Social Responsibility, Intergenerational Futures, Continence Care and Ageing and Older People. She is the Vice Chair of the All-Party Parliamentary Group on Choice at the End of Life, and is Treasurer of the All-Party Parliamentary Group on Equalities. She is Chief Executive of the International Longevity Centre – UK; Co-President of the ILC Global Alliance; and was a Commissioner for the Equality and Human Rights Commission from 2006-12.

She was Director General of Age Concern England from 1987 until 2000. Until 2000, she was joint Chair of the Age Concern Institute of Gerontology at Kings College London, and Secretary General of Eurolink Age. She is Chair of the Advisory Groups for the English

Longitudinal Study on Ageing (ELSA) and the New Dynamics of Ageing (NDA), President of the Pensions Policy Institute and Honorary Vice President of the Royal Society for the Promotion of Health, Patron of the National Association of Care Caterers (NACC) and Patron of Care & Repair England. She holds honorary doctorates from eight UK universities.

Richard Foggie KTN and Member of EKTG Planning Group

Leads on 'IoT' in the creative & digital team, working closely with colleagues across all sectors. Richard has been involved in various eHealth scale-up activities including the STOPandGO

procurement. Well versed in endeavours European – Horizon 2020 and the ECSEL Joint Undertaking. Richard has a Science background – chemistry, biochemistry, device physics in businesses large and small; and a long spell in Whitehall working on innovation support measures.

Dr Christiane Brockes; Head of the Clinical Telemedicine, University Hospital Zurich and EKTG International Ambassador

Christiane Brockes is a medical doctor. She's the head of the clinical telemedicine of the university hospital in Zurich. She began her academic and scientific career in autumn 1987 in the context of her thesis at the University Hospital in Marburg. She continued her researches at the University Hospital in Munich. 1994 the German Research Society awarded her a two-year personal training grant in the University Hospital in Zurich. A stay at the Stanford University Medical Center served to optimise her knowledge and experience. In 2003 she began her involvement in the E-Health sector. She developed recommendations for uniform standards, rules and guidelines in telemedicine consultation. These are the basis for the module "Clinical telemedicine/E-Health", which was implemented by the Faculty of Medicine of Zurich in autumn 2008. 2010 she received her postdoctoral lecture qualification in internal telemedicine.

Maggie Ellis; Lead Academic, Enterprises, LSE, and Co-ordinator EKTG

Maggie has been at The London School of Economics and Political Science (LSE), involved with EU and UK Research Projects since 1999. MonAMI, and SOCIONICAL projects lead to developing a Group about Vulnerable People in the Community. Other project work includes being Leader of an LSEE Review Team for a five year Review of Scottish Government Services. As an Occupational Therapist, she managed physical disability and mental health services, has been Chairman of the British OT Association, the European OT Committee and a Member of many university and research boards. EU and ISO Technical Committee Membership brought wider experience linking user needs with regulatory systems, planners and policy makers. Maggie uses this background as Managing Director in her Audit and Rehabilitation Services at West Square Associates (WSA). Maggie is a Member of various ISO Committees as well as the Cross Party Groups for Disability and Digital Inclusion, Holyrood, and for Smart Cities and Legal Aid in the UK Parliament.

Mike Gordon, Chairman of Protelhealth and HealthNet Homecare and EKTG Leadership Group.

Mike was in the military for 18 years before joining a very small entrepreneurial homecare company, Healthcare at Home, in 1995. Mike was one of the first employees and over the next 15 years rose from operations manager to Chairman. The company looked after over 100,000 people at home with a long-term chronic disease. Mike is currently Chairman of Protelhealth, based in Stockport, a company providing assistive technology services and equipment to allow people to remain in their own homes rather than having to move into care home accommodation. Mike is also Chairman of HealthNet Homecare, based in Leeds, a company providing services for people with a long-term chronic disease.

Mike joined the Leadership Group of EKTG in 2016

Nick Fahy Recently, EU DG Health and Consumers, Head of the Health Information Unit and Senior Researcher, Oxford University

Nick is a senior researcher at the University of Oxford and a consultant in health policy and systems, looking at how health systems work; what we can learn between countries; and how to bring about constructive change in health systems. Particular achievements include acting as Specialist Advisor to the Health Committee of the House of Commons for their inquiry on Brexit and health, publishing analysis highlighting the health systems impact of the Eurozone 'bailout' programs and the impact of Brexit on health in the UK, and working with the World Health Organization to establish a Foresight process looking at the long-term future of health systems in Europe.

Nick Fahy has over twenty years of experience in European health policy, including ten years in the Health and Consumers Directorate-General of the European Commission. Before joining the Commission, Nick worked in the Department of Health in the UK, and was Private Secretary to John Horam MP and Tessa Jowell MP. Nick is co-lead of the Partnerships theme of the NIHR Oxford Biomedical Research Centre, and a visiting lecturer at the Management Centre Innsbruck for their programs on international health and social care management.

Hazel Harper - Innovation Lead, Health and Life Sciences, Innovate UK

Before joining Innovate UK Hazel worked for Kent County Council for 26 years in various roles: food buyer; procurement and contracting; Staff Officer to the Cabinet Member for Social Care; project and programme management and commissioning. Working across many stakeholder groups to deliver innovation in health and care services.

Hazel joined Innovate UK in the Health and Care team as Assisted Living Innovation Platform (ALIP) Programme Manager in October 2013, responsible for the large £37m demonstrator programme *dallas: Delivering Assisted Living Lifestyles at Scale*. Working across health and care, food and nutrition Hazel is passionate about population health and wellbeing with specific interest in transferable skills, ambition and vision from other sectors to cross fertilise and adopt rather than reinvent.

Rupert Hipwell - Director of Population Health Management, Philips

Responsible for leading Philips' Population Health business in the UK&I. Rupert has experience of embedding innovation in community settings most recently through the NHS England test bed programme. Rupert graduated from the University of Bristol with a BSc in Economics and the Open University with an MBA.

The Rt Hon Norman Lamb, MP

Norman Lamb has been the Liberal Democrat MP for North Norfolk since 2001. After serving as a minister in the Department for Business, Innovation and Skills, he was appointed Minister of State for Care and Support at the Department of Health in September 2012 and served in this position until the end of the Coalition Government in May 2015. As Health Minister, Norman worked to reform the care system and led the drive to integrate health and social care, with a greater focus on preventing ill health. He also challenged the NHS to ensure that mental health was treated with the same priority as physical health, including the introduction of access and waiting standards in mental health for the first time. He was the Liberal Democrat Health spokesperson between 2015 and 2017, and was elected Chair of the Science & Technology Select Committee in July 2017.

Michael McGhee Community Service Director - Adults, Newham

Michael qualified as a social worker in 1999 and has worked for a number of local authority children's departments and has also worked for a number of years as a mental health social worker. Michael began working for East London NHS Foundation Trust (ELFT) in 2006 as Director of Older People's Mental Health Services and was appointed Director of Community Services in 2013. Michael has an interest in quality improvement and is a sponsor for a number of improvement projects in the Trust.

Sofia Moreno-Perez EU RITMACORE Partner, Madrid, and EKTG International Ambassador

Sofía Moreno-Pérez is born in Córdoba, an Andalusian city in South Spain. She has a background in Telecommunication Engineering (UPM) and Executive MBA (Instituto Empresa). She got a broad vision of the field of ICT for Active and Healthy Aging through a diverse experience along years as independent consultant (own company VALDE). She entered in the field in 2008 launching and developing a R&D oriented stakeholders network, the National Technology Platform in ICT for Active and Health Aging (eVIA) in collaboration with AMETIC and close collaboration

with European activities. In 2012, she started some new related activities: promoting Social Entrepreneurship in Ashoka, co-creation in eHealth in ValueCreation; and addressing the social impact of technology in ETICAS R&D. After that, she has been combining the private consulting activity in business development, the activity as European expert and the participation in some European projects on Public Procurement of Innovations, first STOPandGO, still on-going, and recently most actively in RITMOCORE, a PPI addressing how to integrate more edge innovations with less money, concretely in the area of Arrhythmias treatment. Before that, Sofia was co-founder and CEO of a high-tech company for 10 years, TEIMA Audiotex and researcher in Universidad Politécnica de Madrid.

Raguraman Padmanabhan Telehealth/Care Navigators Clinical and Service Lead, East London NHS Foundation Trust, UK

The service model lead by Raguraman underpins the business case, which assumes a step up/step down transition between home and hospital in terms of providing and facilitating integrated care. A key element in the model was support for self-care that was recognised as important at all points. Currently ELFT runs projects like using simple telehealth to monitor patients who are at risk and healed pressure ulcers, using mobile technology health solutions for patients with severe mental illness - a feasibility RCT to name a few. ELFT has been the leader in terms of integrating the primary care services and also secondary care where appropriate in the transitional model mentioned above.

Peter Saraga - Peter currently chairs the Leadership Group of EKTG, the Advisory Board of AAL, and undertakes a portfolio of advisory activities in science policy and higher education. He formerly worked at Philips Research in areas including robotics, HDTV, and artificial intelligence. He then became Director of Philips Research Laboratories UK responsible for major programmes in displays, wireless communications, and interactive digital television. He was also a member of the international management team of Philips Research. He is a past President of the Institute of Physics, and was a Vice President and Honorary International Secretary of the Royal Academy of Engineering. He has been a Board member of the Higher Education Funding Council for England and was Vice Chair of Sussex University Council. He is a member of the Council of Loughborough University and chairs advisory boards at Imperial College and Surrey University, where he was awarded an Honorary Doctorate.

Ron Summers, Loughborough University; Leadership Group EKTG for eHealth

Clinical translation of health innovations; health measurement and its traceability; methods to improve wellness and health promotion.

Ron has worked in precursor disciplines to Ambient Assistive Living and eHealth since 1984. He has progressed from systems that investigate the hospital-based care of patients with illnesses to care in the community and health promotion. He is a Technical Director of a clinical spin-off for service delivery in the community for 'less glamorous' clinical conditions that still impact a significant proportion of the population. The first example being the patient-centred management of lower urinary tract disorders. The wellness and health promotion agenda of this activity – principally for the ageing population - relates directly to eHealth

Emma Tebbutt, Technical Officer, Global Cooperation on Assistive Technology (GATE) WHO Geneva Office.

Emma works on the Global Cooperation for Assistive Technology (GATE) at the World Health Organization in Geneva. GATE's goal is to improve access to high-quality affordable assistive products for everyone, everywhere. More information is available on the WHO website: http://who.int/phi/implementation/assistive_technology/en/. Emma's role includes development of a person-centred model of service delivery, and a training package to equip primary health personnel to provide a range of simple assistive products. She is also the focal

point for the WHO Wheelchair Service Training Packages. Emma is a British physiotherapist and previously worked in the NHS and for a non-governmental organization in India. She has experience as a trainer/educator and an interest in task shifting and empowering assistive technology users.

Lord Willis of Knaresborough

A seasoned educational professional Phil spent 20 years as head teacher of two large urban comprehensives. He entered Parliament in 1997 following seven years as the Leader Harrogate Borough Council becoming Shadow Secretary of State for Education and Skills prior to being elected Chair of the Science and Technology Select Committee in 2005.

Awarded a peerage in 2010 Phil sat on the Science and Technology Committee until 2015 and dedicates much of his time to research in areas including science and innovation and health policy. He was a co-author of the recently published Report into the future viability of the NHS and Adult Social Care. Phil chaired the Association of Medical Research Charities until 2015 and was awarded a Hon Doctorate of Science from Salford University in 2013 for his work on evidence based policy making. Following his seminal report on graduate nurse education in 2012 he was made a Fellow of the Royal College of Nursing. He chaired NIHR and Wellcome Trust Health Innovation Challenge Fund Review. His proposal to introduce the Nursing Assistant post has resulted in 2000 students being trained this year. He is currently working on implementing the £1bn challenge for mental health.

Ann Williams - Commissioning and Contracts manager of Adult Social services at Liverpool City Council.

Part of Ann's role is as the innovation network lead which looks at innovative ways of delivering care against a decreasing budget and increasing needs. This led the involvement in the EU STOP&GO programme that has introduced new technologies including IoT sensors and digitalising Domiciliary Care services. Previously Ann had been in Citizen Advice Bureau management for 19 years at both local bureau and regional level. Ann has always been driven by a strong sense of social justice and working with the most marginalised in society heightens awareness of inequalities in society especially with the current financial challenges to household and public budgets. Through a passion about improving the quality and equity of public services she is also a member of Food Standards Agency (FSA) Advisory Committee on Microbiological Safety of Food and a member of the Campylobacter group working on a report looking at how to control Campylobacter in food supplies. Ann is a Vice Chair of the Liverpool Central Local Research Ethics Committee and a core member of the National Institute of Health and Care Excellence (NICE) Public Health Advisory Group

Alan Willis, Member of EKTG Planning Group

Following a career in banking, latterly working on projects to improve service delivery, Alan now has a portfolio of responsibilities. These range from being the Finance Director of a number of small businesses, through being Clerk of one of the City Livery Companies, to being the Officer Commanding of the Light Cavalry, Honourable Artillery Company. His role in EKTG is partly strategic, but mainly he uses his technology skills to produce the Newsletter and website.

**For any further information about this Symposium please contact
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