

Defence Information '17 Event: 26 & 27 April 2017

“Delivering in a Changing World”

Jointly presented by UKCeB, MOD & Cranfield University

at the Defence Academy of the United Kingdom Shrivenham, SN6 8LA

Defence Information 2017 is the major annual communications event for the Joint Information Group (JIG) that reports to the Defence Suppliers Forum. At DI'17 MOD and Industry suppliers share the agenda and network in a productive and informative 'Team Defence' Event.

Presentations & panels: leading defence figures



20 Workshops

Innovation Skype for Business,
Export Controls Digital/New Skills,
Evergreen IT Data Management
Wi-Fi on Base Hybrid Networks
ISS Services to Industry BWIMS
Digital Ecosystem Management
Collaborative Skills Data Quality
Big Data/Simulation Cyber Doing
more with Less MOD Budget ...

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May count towards Continual Professional Development (CPD) for MOD staff

DI'17 Presentations, Speakers, Panels and Workshop Listings

Steve Latchem, MOD ISS Head of Architecture | Defence as a Platform – Architecture and Principles (26th 1020-1100) In this presentation, Steve will describe MOD's ongoing journey from stove-piped solutions and capabilities to a Design-led Services Architecture; Defence as a Platform. He will describe the principles, the architectural guidelines, (the commandments), the transformation that is taking place to enable this, and the main programmes of work that are delivering these services."



Andrew Tyler - Chief Executive Europe, Northrop Grumman | An Industry Viewpoint (26th 1100-1120) Andrew's current role includes responsibility for a portfolio comprising F-35, NATO's High Altitude Long Endurance aircraft (NATO AGS), UK's Sentry AWACS programme, a major UK Government cyber programme and numerous other programmes across land, air and maritime domains. An earlier career role was Chief Operating Officer at Defence Equipment & Support (DE&S) in the MOD.

Jim Conway, IT Enterprise Architecture, Boeing | Delivering in a changing world – an architectural approach (26th 1150-1210) *Jim will provide clarity on the value of Enterprise Architecture and why it needs to be in the fore-front of IS delivery thinking. He will recognize the change in approach today, to systems over the past 20 years and will explore the difference between a 'Green-Field Approach' and 'Re-Factoring Legacy Systems'. Finally, his talk will focus in on four main areas which can enable delivery as disruptive technologies emerge. These include: The Business is front and foremost; Business Architecture/Capabilities, a Pace Layered Approach; Data and Information; and, Enabling Technology directions for global delivery.*



Richard Cross, CDIO, Atkins | Embracing Agile delivery through 'development without projects' (26th 1210-1230) This presentation covers successes in bringing Agile delivery to the more traditional environment of Design and Construction in Infrastructure: 'Evergreen IT'; and the changing emphasis of the CIO and CDO roles.

Angus Ward, Partner, BearingPoint UK and John Gillam, CTO for Cloud Services, BT Global Services | Digital Ecosystem Management (DEM) (26th 1230-1250) Digital Ecosystem Management is about leaner and more agile digital business models that transform traditional, static linear value chains into more 'plug and play' value networks. Angus leads on services for the open digital economy and platform-centred business models at BearingPoint. *NB: Workshop 6 is on this topic*



PANEL DISCUSSION – Chair: Andy Radley, Accounts Director Defence, CGI (26th 1250-1310) When participating, please use the roving microphone and state your name and organisation prior to asking a question or raising a point for the panel's consideration and response.



Lunch, Good Practice Market Place and Exhibitions - 1310 – 1410

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Graham Curtis, JIG Co-Chair and Director - Information Management & Technology - UK - Platform and Support, BAE Systems | The Work of the Joint Information Group (JIG) (26th 1410-1430) Graham will provide an overview of the achievements of the JIG during 2016 and describe what is planned to address the JIG objectives for 2017 and how this aligns with the wider activities across Team Defence.



Session Chair for The Work of the Joint Information Group (JIG) (TBC) (26th 1410-1430) Please use the roving microphone and state your name and organisation prior to asking a question or raising a point for consideration and response.

Workshops 1430 – 1530 (see separate section on Workshops for details)

- 1: 21st Century User Experience Whilst Remaining Secure: Simon Wiseman, Deep Secure and Danny Wootton, MOD ISS Innovation Strategy
- 2: Skype for Business (JIG Project): David Hawken, MOD ISS Strategy and Richard Skedd, BAE Systems
- 3: Assessing Data Management Capability: Dr Tim King, Principal Consultant IKM and Dr Demetrius Onoufriou, Principal Consultant, Babcock Analytic Solutions
- 4: Data Quality (JIG Project), Vignesh Kumar, BearingPoint and Chris Blake, BT
- 5: Joint Working – BIWMS Case Study: Ramanujam Amruthur Programme Manager Boeing Defence UK, Lt Colonel Naomi Wakelin (BIWMS R2 Deputy Project Manager) and Bill Taylor, Institute of Collaborative Working Associate Director
- 6: Digital Ecosystem Management: Angus Ward, Partner at BearingPoint UK and John Gillam, CTO for Cloud Services at BT Global Services

Kevin Parker, VP Solutions Marketing, Micro Focus | Digital Transformation – Fad or Future? (26th 1600-1620) The organization demands the app be IoT, Cloud and Mobile ready. Sensors are generating overwhelming data volumes. Data mining reveals new opportunities and new threats. Cyber is an active battlespace. Yet we still rely upon billions of lines of code written in a time when none of this was imaginable.



Whatever the hype, Digital Transformation is a senior staff conversation. Every response to every issue starts with technology. The enterprise architect wants micro-services. Operations wants the securest platforms. The tax-payers want value they can touch, feel and verify. The Minister wants continuity, confidentiality and confidence in the data. Deployed resources want instant analysis and reliable predictions.

How we build, operate and secure our information technology is changing; our adversaries are fast evolving too. Technology half-life is declining fast and the newest system is quickly obsolete. Kevin will talk about the ten strategies for digital transformation that innovate faster and reduce risk.



Jamie Cole, IBM Lead for Cognitive Solutions, IBM Europe | How cognitive technologies such as IBM Watson are transforming businesses (26th 1620-1640) Jamie is passionate in helping organisations fully exploit the potential of analytics through the scope, design and deployment of global complex applications. Many of these applications are within the finance functions and corporate headquarters of industrial clients where he has been involved in systems to perform consolidation, planning and budgeting, balanced scorecards (including key performance indicators) specifically data warehouse applications.

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Dr Derek Shaw, Ministry of Defence Weapons Operating Centre (WOC) Lead for UK MOD | Delivering a Digital Transformation in a Changing World (26th 1640-1700)



Derek will discuss the digital transformation journey of the Weapons Operating Centre (WOC). Key benefits of the project included: saving £44k; alignment with the Government “Digital by Default” agenda; providing a real-time, secure, digital collaborative working environment; improving business intelligence reporting; increasing business efficiency through enhanced data capture and exploitation; utilising and engaging with existing MOD capabilities; and, enabling a social and visualisation working platform

--- DAY 2 – 27 April ---

Air Commodore Damian Alexander CBE, Head of Defence Logistics Policy MOD (27th 0905-0930) The Air Commodore is due to take up the post of Head Defence Support Chain Operations & Movements in Defence Equipment & Support (as of June 2017).



Nigel Whitehead CBE FEng, Group MD, Programmes & Support BAE Systems plc

& Chairman UKCeB | Delivering in a Changing World (27th 0930-0950) As the Chairman of the Defence Suppliers Forum Executive Group with the lead for Information, Cyber Security and Skills - and also UKCeB Chairman, Nigel is highly supportive of UKCeB activities in secure information sharing across Team Defence. He brings deep knowledge and experience to provide an Industry perspective.



Ian Henderson, MOD Head of Information

Professions and Ian Sinclair, Principal Business Consultant at Civica | Delivering the Skills required in a Changing World – a perspective

from Defence and Industry (27th 0950-1010) How is Team Defence positioning itself to address recognised Digital and Technology skill gaps? It is widely known that organisations need to support and champion early digital careers, but what does this mean for the ‘wholeforce’ approach and wider capability development? The presenters will share thoughts on what they believe the skill challenges and opportunities to be. *NB: There is a Workshop on this topic.*



John Sharp, TFD, Paul Hudson, Fujitsu and Neil Rae, Boeing Defence UK | Removing Human Interfaces from the Supply Chain (27th 1010-1030)

Whilst the advantages of using optimisation for planning inventory are widely accepted, almost all replenishment algorithms embedded in supply systems

use single item trend analysis. Over time, system performance becomes sub-optimal, sometimes relatively quickly. In parallel, human errors in reporting and recording support events and transactions add to degradation.



This session describes advantages of removing human interfaces from the supply chain through the use of live asset tracking sensors. The novel element is using the sensor-captured data as an objective, accurate feed into tactical and automatic re-optimisation modelling. This, in turn, leads to near real-time recommendations on support chain intervention which, if implemented, will continually re-baseline the optimal steady-state condition.

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Dr Demetrius Onoufriou, *Principal Consultant, Babcock Analytic Solutions* and Steve Pascoe, *Babcock International Group* | Smart Support and use of Disruptive Technology (27th 1100-1120) Research has highlighted opportunities for significant business benefits in In-Service Support from use of disruptive technologies under Smart Support.

These include: improved access and exploitation of information by front line staff; better feedback from the front line to aid Design Authority and Technical Authority decision making; more effective fault resolution and diagnostics, using digitally enabled equipment and sensors; and, an ability to deploy mobile applications and workflow automation, both shore-side and within platform environments. This session will provide an update on recent developments and planned roadmaps.

NB: Demetrius co-leads Workshop 3 on Assessing Data Management Capability.



Toby Mills, *Managing Director, Rotary and Mission Systems, Lockheed Martin UK* | Doing more with less MOD budget in the modern era (27th 1120-1140) Given the recent significant



budget cut announcements, the MOD needs to find ways of saving money whilst still maintaining operational effectiveness against a diverse range of global threats. This is particularly pertinent given the increasing capability and greater complexity of modern equipment. Exploiting sound experience of supporting customers globally, this session will cover technological and process innovations that could deliver the required operational effect within the new constrained budgets.

PANEL CHAIR Day 2: Phil Smith, *Chairman, Cisco UK & Ireland* (27th 1140-1200) In his Chairman role at Cisco UK & Ireland, Phil Smith leads country digitisation and nurturing relationships with government, policy makers, academia and business. He works closely with these top thinkers to orchestrate life-changing digital innovation. Phil is also focused on the evolution of Cisco's innovation ecosystem.



When participating, please use the roving microphone and state your name and organisation prior to asking a question or raising a point for the panel's consideration and response.

Workshops 1200 – 1300 (Day 2 - see separate section on Workshops for details)

- 7: Foundations of Digital Innovation: Neil Rae, Boeing Defence UK
- 8: Big Data Technologies May Impact Modelling and Simulation in Defence Environments: Ollie Houseman, SVGC
- 9: Delivering a Digital and Technology Skills Coalition Across the Defence Enterprise (JIG Project): Ian Sinclair, Civica, Gill Halliday, MOD and Ross Harris, Cranfield University
- 10: Exchanging Complex Information Between Different Stakeholder Groups & Tools: Alan Bradley and Eugene McSheffrey, MEGA International

Lunch, Good Practice Market Place and Exhibitions - 1300 – 1400

Workshops 1400 – 1500 (Day 2 - see separate section on Workshops for details)

- 11: Design Thinking for Digital: Richard Butlin and James Petherbridge, IBM
- 12: Innovation Challenge: Danny Wootton, MOD ISS Innovation Strategy
- 13: MoD ISS Services to Industry Customers: Improved Engagement (JIG Project), Graeme Shorter, MOD ISS Customer Services and Richard Skedd, BAE Systems
- 14: Data Science – What is on offer and how can it be accessed? Jaya Shah and Jim Wood
MOD JFC SecProjects
- 15: Youth Workshop, Alex Roberts, Camcode

May count towards Continual Professional Development (CPD) for MOD staff

Workshops 1530 – 1630 (Day 2 - see separate section on Workshops for details)

- 16: Can We Sustain a Digital World? Adam Turner and David Hawken, MOD ISS Strategy
- 17: Hybrid Networks – The Future Here Today: Joe Bombagi, Riverbed Technology
- 18: Export Control of Technical Data – What Could Possibly Go Wrong? Joe Dunn, BAE Systems
- 19: The Cyber Challenge in a Changing World: Mike Armstrong, Atkins

UKCeB Excellence Award: (27th 1630 – 1645) Judges: Ross Harris, Cranfield University, Rick Bounsall, Niteworks and Dick Dixon, MOD. Announcement of results and winner presentation

Closing Remarks and Prize Draw Presentations, Phil Williams, UKCeB Managing Director

DI'17 App – Interactive Event information at your fingertips



The DI'17 App will provide you with comprehensive, up-to-date information about the Event including the programme schedule, biographies, Sponsor, Exhibitor & Workshop content, UKCeB Excellence Award finalists' submissions, site plans, maps and more. The App has interactive features such as notifications, polls and private messaging to benefit attendees.

The App comes in mobile phone format (Android & iOS) format and content replicates onto a dedicated website for browser access on laptops & other mobile devices. Delegates can download the DI'17 App on Event registration. Content updates happen seamlessly.

See later section for sample screens from the DI'17 App

Workshops in Detail

Delegates have a great choice of informative Workshops Sessions clustered into several sets of parallel streams. Get insights on a wide range of topics including current Joint Information Group¹ (JIG) Projects.

Workshop 1 (26th 1430-1530) - **21st Century User Experience Whilst Remaining Secure** - *This Workshop will discuss alternative approaches of how to achieve a modern 21st Century User Experience across multiple end-user devices, whilst maintaining the level of security required by the MOD.* **Simon Wiseman** (Deep-Secure) and **Danny Wootton**, (MOD ISS Innovation Strategy), Colin Nash (Deep-Secure); UKCeB facilitator: Luca Leone

Workshop 2 (26th 1430-1530) – **Skype for Business** (JIG Project) - *The MOD's MOD^{NET} programme has invested in providing a Microsoft Office 365 environment in the MOD. This provides new opportunities for secure collaboration across MOD and Industry, but comes with technical challenges and the need to adopt new ways of working. This workshop will brief the participants on the work and lessons identified that MOD and BAE Systems are doing to exploit Skype for Business between the two organisations and will seek to broaden the discussion to understand any potential opportunities and issues this may bring to MOD-Industry collaboration if a "Skype for Team Defence" service could be established in the future.* **Dave Hawken**, (MOD ISS Strategy) and **Richard Skedd** (BAE Systems, Strategy Manager - Office of the CIO); UKCeB facilitator: Catherine Meyrick-Evans

¹ The UKCeB facilitates the Joint Information Group comprising MOD and Industry representatives and co-Chaired by Martin Elliot (MOD) and Graham Curtis (Industry). The JIG is a Sub-Group of the Defence Suppliers Forum, reporting to its Executive Group

Workshop 3 (26th 1430-1530) – **Assessing Data Management Capability** This workshop will introduce the audience to a self-assessment questionnaire for identifying key features of the data management capability of organisations. This questionnaire take account of the context of the international standard ISO 8000 data quality – and incorporates experience from Network Rail, the Ministry of Defence and across different departments within Babcock.

Attendees will be guided through performing an on-the-spot assessment on their own organisation, determining relative strengths and weaknesses of their capability as well as creating an action plan. Those attendees who bring a smart phone, tablet or laptop will be able to perform this assessment online on the day; however, you may wish to complete the questionnaire beforehand via this link <https://dmq.babcock-analytics.com/>.

The Babcock team will then facilitate a discussion to explore the results and provide comparisons with the results from over fifteen different organisations that have previously used the questionnaire. **Dr Tim King**, Principal Consultant IKM, Babcock Analytic Solutions and **Dr Demetrius Onoufriou**, Principal Consultant, Babcock Analytic Solutions; UKCeB facilitator: Iain Galloway

Workshop 4 (26th 1430-1530) – **Data Quality** (JIG Project) *With exponential growth in defence data, its growing importance in operational decisions, the potential for accurate data to lead to enhanced capability, cost reduction and operational safety, there has never been a more appropriate time for the defence community to invest in enhancing data quality (DQ) across the enterprise. But what are the key DQ pain points within Defence and can we help to identify them? Then what needs to be done and by whom? How can we better manage data to help ensure it is fit for purpose? This workshop aims to offer insight into the DQ question with a view to identifying a road map for addressing DQ within Defence.* **Chris Blake** and **Vignesh Kumar**, BearingPoint; UKCeB facilitator: Colin Jones

Workshop 5 (April 26th 1430-1530) – **Joint Working – BIWMS Case Study & ISO 44001**, *The workshop will explore how partnering (using the BSI 1100 standard developed by the Institute for Collaborative Working - ICW) was the fundamental enabler to the execution of the BIWMS R2 programme which deployed its GOLDesp™ service platform to the Air Domain's 38 Project Teams. It will identify the components and structure required for effective joint working and collaboration (with lessons learnt) which can be leveraged across other MOD / Industry projects and programmes. A senior member of the ICW will explain the Institute's role in developing partnering standards, including the recently announced ISO 44001 international standard (replacing BSI 11000), and its value and implications.* **LT Colonel Naomi Wakelin** (BIWMS R2 Deputy Project Manager); **Ramanujam Amruthur** Programme Manager Boeing Defence UK; **Bill Taylor**, (Associate Director, Institute of Collaborative Working; UKCeB facilitator: Graham Smith

Workshop 6 (26th 1430-1530) – **Digital Ecosystem Management** *In an environment where low growth is the new norm, Digital Ecosystem Management (DEM) is about leveraging new platform-based rules of strategy to emulate the much faster growth achieved by the winners in the digital economy (Google, Amazon, Apple, Uber etc). Fundamental to this is moving from supply-side products sold through a fixed and linear value chain to demand-side propositions that leverage ecosystem partner assets/capabilities and data insight to deliver outcomes generating much greater customer value added. The propositions provide not just a solution to customers 'jobs' but encapsulate the right customer experiences to discover, evaluate, buy, access, use and pay for the service through a fully frictionless operating model with in-bound customer acquisition and automated fulfilment that creates ultra-low transaction costs.*

The platform-model addresses the challenges most organisations face in terms of revenue growth, customer retention, the risk of being disrupted, innovation and digital transformation **Angus Ward**, Partner at BearingPoint UK and **John Gillam**, CTO for Cloud Services at BT Global Services; UKCeB facilitator: Leyton Lark

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Workshop 7 (27th 1200-1300) – **Foundations of Digital Innovation, Neil Rae**, Boeing Defence UK); *Building on last year's disruptive technology workshop, this workshop will explore the necessary foundations and components that would need be in place to enable technical innovation across defence. It will begin by looking at the example of an actual lightweight mobile application and will consider the technical and business challenges facing delivery in a defence environment.* UKCeB facilitator: Tony Butler

Workshop 8 (27th 1200-1300) – **Big Data in Defence Modelling and Simulation Environments** *This workshop will present progress and seek feedback on a [European Defence Agency](#) (EDA) sponsored study to understand and describe the possible impact of Big Data on Modelling & Simulation (M&S) activities in the life cycle of future military systems. The outcome of the study, undertaken by [SVGC](#), [NSC](#) and [Evri Insight](#), will facilitate future EU defence collaborative projects to develop a new generation of military simulation systems based on, or using, Big Data tools and processes. It will also help to better exploit fast evolving, dual use technologies for specific military M&S applications.* **Ollie Houseman**, SVGC; UKCeB facilitator: Luca Leone

Workshop 9 (27th 1200-1300) - **Delivering a Digital and Technology Skills Coalition Across the Defence Enterprise** (JIG Project), *Linked to a keynote on Skills, this session explores this question. Join us and help shape the organisation that will aim to collectively invest in Digital and Technology capability and work towards a vision of growing and raising skill levels in this area.* **Gill Halliday** (MOD Information Professions Team, Assistant Head Professionalisation & Development), **Ian Sinclair** (Principal Business Consultant, Civica), **Ross Harris** (Cranfield University); UKCeB facilitator: Iain Galloway

Workshop 10 (27th 1200-1300) - **Exchanging Complex Information Between Different Stakeholder Groups & Tools** *This workshop will delve into the use of appropriate enterprise tools and applications for different stakeholder groups within an organisation. This will highlight the importance and best practices of being able to exchange information between those different tools to meet ever-changing operational and regulatory requirements.* **Alan Bradley & Eugene McSheffrey**, MEGA International; UKCeB facilitator: Graham Smith

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Workshop 11 (27th 1400-1500) - **Design Thinking for Digital** *In this workshop session you will get an introduction into how IBM use design thinking to create digital solutions with a focus on the users' needs as the core principle of the approach and philosophy. We will talk you through some basic concepts and then get right to work applying them to some defence sector user personas, so that you can experience how this might work on your project. We will finish up with an open discussion on potential barriers and how to overcome them.* **Richard Butlin**, IBM Design Thinking coach and **James Petherbridge**, IBM; UKCeB facilitator: Colin Jones

Workshop 12 (27th 1400-1500) - **Innovation Challenge** *This workshop will explore a specific innovation challenge currently faced by MOD in the information space and how industry partners can help MOD solve that challenge. Come along if you would like to understand the challenge and ask any questions. Interested parties can then respond with ideas up to four weeks after the event.* **Danny Wootton**, MOD ISS Innovation Strategy; UKCeB facilitator: Catherine Meyrick-Evans

Workshop 13 (27th 1400-1500) – **MOD ISS Services to Industry Customers: Improved Engagement** (JIG Project) MOD provides a range of ICT services to Industry through its Information Systems and Services (ISS) organisation and these are vital to Industry delivering its contracts. Industry is an 'Indirect Customer' in MOD ISS terms. This workshop summarises the outcomes to date of a JIG-sponsored project designed to produce an Initial Operating Capability, suited to continuous self-improvement, that will deliver initial benefits from the successful engagement of MOD and Industry around MOD-provided ICT services.

Benefits include: improved requirements and better solutions, reduced business continuity risk, increased productivity, greater end-user satisfaction and reduced cost.

The workshop will seek some feedback on the current Industry Guides such as those for Email, Service Catalogue and Industry Gateway Services. Graeme Shorter MOD ISS Customer Services; **Richard Skedd**, BAE Systems, Strategy Manager - Office of the CIO) – co-leads for the work; UKCeB facilitator: Carl Billson

Workshop 14 (27th 1400-1500) – **Data Science – What is on offer and how can it be accessed?** Joint Forces Command (JFC) is considering the potential benefits and issues associated with "Data Science as a Service" (DSaaS). The purpose of this workshop is to facilitate an understanding of the ways to access the range of resources offered by the data science sector. A particular issue is our understanding of how MOD should define or frame its requirements for DSaaS. Therefore, the session will draw on the participants' knowledge of the sector to both compile a list of what is available and how we should request Data Science services (what are the parameters of DSaaS that we need to specify?).

This will be an interactive session that seeks to involve: small-to-medium enterprises (SMEs) that cover a range of data science applications, larger suppliers who access niche SME suppliers, expert/academic organisations servicing this market and those involved in developing data science resources. Participants are requested to consider the following in preparation for the session:

- *the make-up of the sector by segments: products | tools | technology | capability*
- *routes of access for customers: service and support | commercial frameworks | legal issues*
- *how MOD should frame its requirements for DSaaS?*

Jaya Shah, Joint Forces Command, MOD and **Jim Wood**, Joint Forces Command MOD; UKCeB facilitator: Tony Butler

Workshop 15 (27th 1400-1500) – **Young Professionals Workshop** Who are young professionals and what can be done to attract and retain them in the defence sector? This session includes an introduction to the millennial workforce; young professionals the defence sector; unique challenges for defence; differing perspectives; how other industries have addressed these challenges; and, a round-table discussion on what defence can do " **Alex Roberts**, Camcode UKCeB facilitator: Luca Leone

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Workshop 16 (27th 1530-1630) – **Can We Sustain a Digital World?** Sustainable ICT is a hot topic, rapidly rising up the agenda of all organisations and an area of ICT systems development that cannot be ignored. Demands for increased performance and exploitation of technologies, such as cloud computing, can come with increased energy use and associated cost. This cost is not only financial but also environmental, and corporate and governmental attention is focused on managing and reducing these costs by adopting sustainable business practices. ICT projects within all Central Government Departments have to follow mandated guidelines on Sustainable Development in order to demonstrate commitments to reduce overall carbon footprint and use of resources. The DI17 Workshop on Sustainable ICT will explore this important

topic, discussing the various enabling opportunities available within Defence ICT. **Adam Turner and David Hawken**, MOD ISS Strategy; UKCeB facilitator: Colin Jones

Workshop 17 (27th 1530-1630) – **Hybrid Networks – The future here today** *In a hybrid world where networks, data centres, applications, services and remote locations are in a constant state of change, learn about how to enable and simplify the process of making the best use of the hybrid ecosystem - including legacy systems - while enabling a quick and simple path to software defining these services to provide maximum agility, fast deployment, simplified operations and deep visibility.* **Joe Bombagi**, Riverbed Technology; UKCeB facilitator: Leyton Lark

Workshop 18 (27th 1530-1630) – **Innovation Export Control of Technical Data—What Could Possibly Go Wrong?** *In a world where export is playing an ever more important role set against a backdrop of increasing legislation and cyber threats, this workshop will explore the risks associated with exporting technical data and the mitigations that can be developed to minimise this risk. The experience that BAE Systems has gained through its Export Control IT Automation programme will be used as an input to shape and stimulate the discussions, however, the objective is to keep the debate as wide-ranging and non-company specific as possible to identify as many risks (and mitigation actions) as practical in the time available. The risk of inadvertently exporting data and measures to mitigate will also be included as part of the session.*

Note: Where IT solutions are seen as mitigation options, if IT vendors participate, they will be asked to detail classes of products rather than specific product brands to avoid the workshop becoming a vendor showcase / competition.

SAFETY NOTICE: *In order to ensure that the participants are able to fully participate in the workshop they will NOT be asked to use real examples from their companies rather they will be asked to envisage risks and mitigations in hypothetical companies.*

Joe Dunn, BAE Systems; UKCeB facilitator: Catherine Meyrick-Evans

Workshop 19 (27 1530-1630) – **The Cyber Challenge in a Changing World** *An interactive workshop simulating a Cyber Vulnerability Investigation (CVI) project from requirement through to conclusion, identifying the challenges and opportunities for both industry and Defence. The objective is two-fold: 1. improve understanding of the enterprise complexity of Defence cyber vulnerabilities; and, 2. improve understanding of the need for cross-industry collaboration and transparency to mitigate UK defence operational risk.* **Mike Armstrong**, ATKINS; UKCeB facilitator: Luca Leone

The DI'17 App – some sample screens; see Appendix for App User Guidance



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UKCeB Managing Director Phil Williams on DI'17

UKCeB Managing Director Phil Williams looks forward to welcoming new delegates and participants as well as those he has known over his years of involvement in defence, initially through his service in the RAF and latterly working in the defence sector and now as MD at UKCeB. Phil is delighted to have the support of an experienced DI'17 planning team, led by Steve Shepherd.



Phil comments, *“Defence Information is our major annual communications Event and its informative content spans both Information and Support aspects of Team Defence. Our venue at the Defence Academy is readily accessible with good accommodation nearby. It’s an Event that is both purposeful and informal, providing excellent networking opportunities, keynotes, workshops and informed insights. ‘Delivering in a Changing World’ is a timely theme and I encourage you all to participate – whether as delegates, sponsors or exhibitors.”*

Finalists Announced for UKCeB Excellence Award 2017

Each year at the Defence Information Event, the UKCeB and the MOD hold the UKCeB Good Practice Market Place and Excellence Awards to recognise, celebrate and share successful collaboration practices in Team Defence. We thank all those who have contributed and are pleased to announce the finalists who will be exhibiting at the Good Practice Market Place at DI'17. Their names and a summary of their entries are to be found in the Appendix.

DI'17 provides an opportunity to promote sharing of ideas and experiences among delegates through discussion with finalists at their stands in the Good Practice Market Place.



Visit the Finalists – Then Have Your Say

While visiting stands in the Market Place, DI'17 delegates will also have a chance to choose their preferred submission via the DI'17 App. These preferences will be taken into consideration by an independent panel of judges. The judges will visit the finalists' stands as part of the process for selecting their top submissions; the judges' decision will be binding.



DI'16 Excellence Award
Winner's Presentation

Announcements and presentations will be made later in the afternoon of *27th April*. The awards include Highly Commended and Commended certificates as well as the overall winner of the UKCeB Excellence Award.

Read about the 2016 Award at <https://secure.ukceb.net/filerequest.php?id=1005013>. Previous years' submissions are available for UKCeB members under the Key Word UKCeB Excellence Awards & Good Practice Market Place at <https://secure.ukceb.net/keyword.php?keyword=1000128>

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Raise Your Profile: Be A Sponsor and/or Exhibitor at DI'17

Suppliers to defence – regardless of whether you are a current UKCeB members - are invited to become a Sponsor &/or Exhibitor at DI'17. Your participation enables excellent visibility amongst a community of defence professionals from both MOD and Industry suppliers, 2-days' networking with over 300 attendees and prominent promotional opportunities via the DI'17 App and marketing collateral.



The App is a great new way of reaching a MOD/Industry audience enabling interaction and downloads, links to websites and social media etc. The App will use notifications to credit Sponsors and to highlight the stands of Exhibitors. Details of both Sponsor and Exhibitor packages are at <https://www.cranfield.ac.uk/events/symposia/di>. You have the option of participating in a formal dinner at the nearby historic STEAM museum, an excellent venue for dining and socialising.



Event Dinner at STEAM

Key Contacts for DI'17 **Michael J T Hewetson OBE**, Director Symposia at Shrivenham
Steve Shepherd, UKCeB lead co-organiser for DI'17; **Phil Williams**, Managing Director, UKCeB

DI'17 Event Lead Sponsors and Event Exhibitors

Click on hyperlinked names to go to website



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DI'17 Event Exhibitors

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APPENDIX 1: Finalists for UKCeB Excellence Award 2017

Finalist A

Title: **Mobile Applications and Submarines Operating Centre** – An Agile, Innovative and Collaborative Digital Journey

Organisations: MyOxygen, Babcock Analytic Solutions and Ministry of Defence (Submarines Operating Centre)

An agile and highly collaborative project was established between Babcock (Analytic Solutions business unit), Ministry of Defence (Submarines Operating Centre) and MyOxygen (a small & medium sized enterprise). The project aimed to explore 'mobile applications' and fixed Customer pre-conceptions, such as mobile applications not being able to fit the current business model for a range of reasons. The project team explored the nature of this requirement and worked through the subsequent misconceptions in a variety of scenarios. The team was able to highlight how mobile applications could be designed to fit the customer's need to work both in a secure and non-secure environment. The outcome provided the customer with an insight of the benefits that could be realised. This has informed their thinking on mobile applications as part of their long-term Information Strategy with a firm footing that will allow the setting of appropriate value for money requirements.

Finalist B

Title: **BIWMS R2** (Base Inventory and Warehouse Management Services)

Organisations: Ministry of Defence, Boeing Defence UK Ltd, with Miro Technologies, Sopra Steria, Infor, IBM, CGI, Demand Solutions, BearingPoint and Glue Reply.

The Base Inventory and Warehouse Management Services (BIWMS) Release 2 programme addressed the replacement of the MOD's Base Inventory Management and Warehousing information systems through modern Commercial off the Shelf based solutions. The legacy RAF Supply Central Computer System (SCCS) was a 40+ year old system, identified as a critical risk to Support Chain Information Services (SCIS). The SCCS replacement contract was awarded to Boeing Defence UK LTD as an extension of its existing Future Logistics Information Services (FLIS) agreement within the SCIS partnership. Release 2 delivered the GOLDesp™ integrated supply management system to the Air Domain's 38 Project Teams covering a user base of 350+.

Finalist C

Title: Land (UK) Task Management System (“LandTMS”)

Organisations: BAE Systems Land(UK), MOD Armoured Vehicles Programmes (AVP), Back Office Associates, CSC

LandTMS is a re-usable, browser-based Ad-Hoc Query & Lifecycle Task Management web application which provides a secure, collaborative working environment with the MoD (and other potential customers), using the already established RLI network. LandTMS provides a digital document and process-based management information system, incorporating reporting; metrics/KPIs, email alerting and full traceability. It replaces paper based and email based communication with a single repository of the truth, potentially eliminating the need for wet ink signatures and delays in a task request, end to end process.

Finalist D

Title: ‘One Issue’ – makes life simpler

Organisation: Akeman Solutions Limited

‘One Issue’ improves communication and visibility in the field using a simple app and comprehensive, secure backend to raise and resolve issues across departments, contractors and locations.

It helps the person raising an issue to provide an accurate and useful request with little or no understanding of the issue. It helps with triage by providing additional information including photographs to identify the problem efficiently and assign the correct resource to resolve. It helps with the resolution by providing historic as well as current information. It helps with communication by presenting the progress of the issue to all involved without the need for phone calls and emails.

The benefits include near real time communication, lowered anxiety, faster and accountable resolution and near real time reporting within a cost-effective solution that securely scales.

Finalist E

Title: Enabling the Supplier Identity & Access Management Portal

Organisation: Exostar

As part of the support to MOD’s CP&F project Exostar not only upgraded and improved the Supply Chain Portal but also ensured that the Identity & Access Management (IDAM) capabilities were included in the form of Exostar’s Managed Access Gateway (MAG). MAG allows secure access to applications hosted on premise or in the cloud, and belonging to MOD, Exostar, or buyer organisations. This means that 99% of the MOD’s electronically trading partners already have a portal capability that provides authentication, validation and access claims at any required security level or using any required security policy. This capability enables the entire Defence Supply Chain to collaborate securely, efficiently, and compliantly, even as requirements and the supply chain grow. More specifically it means that MOD and its partners can now give suppliers access to other applications using the same CP&F portal AND deploy any appropriate security policy needed to authenticate a user.

Finalist F

Title: Locality Based Social Platform – Private & Secure

Organisation: Krowdthink Ltd

With the advent of the GDPR (General Data Protection Regulation) in May 2018, consent becomes a new business challenge, one which the Krowd embraces by delivering a GDPR ready social platform. Importantly for the defence sector, the Krowd does not track or profile users or communications by them, implementing a digital ‘Chatham-house rules’ social platform for collaboration at ‘events’ or in operational scenarios.

Finalist G

Title: The Early Adoption of Identity and Access Management to enable Team Defence Information assurance and control

Organisation: The Joint Information Group

Taking the MOD’s IdAM Blueprint, developing detailed designs, coordinating MOD & Industry IT, Security and Business experts has enabled creation from scratch the real life Official Sensitive demonstrators that prove IdAM can be delivered for Tier 1 companies (BAE Systems and Babcock) and SME’S (tlmNEXUS). This highly innovative agile development is a demonstration of Team Defence collaborative working at its best, using good project management, communication, drive and enthusiasm to overcome any barriers to progress whilst exceeding expectations and delivering early. This work has accelerated the implementation of IdAM for MOD & Industry with the first IdAM service now due to come on line in 2017.

Finalist H

Title: Vein-to-Vein - Transforming a lifesaving and mission critical supply chain across emergency services Including Defence

Organisations: ToolsGroup UK, National Health Service Blood and Transplant Service, NHS and Private Hospitals

NHS Blood and Transplant (NHSBT) is a Special Health Authority whose remit includes the provision of a reliable, efficient supply of blood and associated services to the NHS in England, private hospitals and the MOD. ToolsGroup's SO99+ was the key to implementing a new supply chain Planning and Control System (PCS) to support NHSBT's transition from a push approach to a demand-driven ‘pull’ model, giving the service the ability to respond more efficiently and support patients with complex requirements.

According to Justin Baker, Accountable Executive PCS Project, NHS Blood and Transplant, “While the project offers great benefits to NHS hospitals and the taxpayer, nothing matters more than it’s potential to improve patient outcomes through improved blood availability. Our new ToolsGroup system allows us to respond faster to crises and support patients with complex requirements, like those that need multiple transfusions or have rare blood types.”

Finalist I

Title: *Telagraph: a collaborative modelling tool for understanding and assessing complex situations`*

Organisations: Telaugos Solutions Ltd

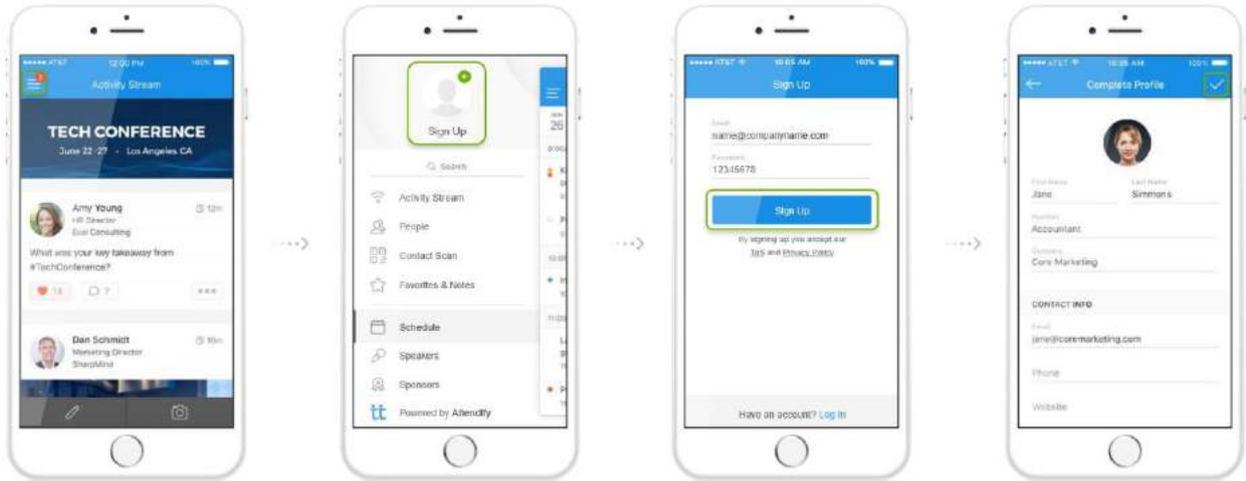
Feedback loops - virtuous or vicious spirals - frequently confound the benign intentions of real-life complex decisions. While it is possible to model such interactions, it is hard to do so in a way that retains group buy-in to the results. This is particularly regrettable where apparently rational policies and decisions are nullified by counter-intuitive behaviours which could be revealed by an understanding of those feedback loops.

Telagraph rises to this challenge, allowing group generation of useful and compelling working models of cause and effect, even with preliminary or estimated inputs. Telagraph rapidly delivers a working model of complex situations through facilitated step-by-step model development, during which participants immediately and directly determine the structure and configuration of a model, improving their trust and confidence in it. At the end of the construction process, the model structure and relationships can be displayed and run immediately, providing visual feedback and inviting commentary.

May count towards Continual Professional Development (CPD) for MOD staff

APPENDIX 2: How to use the App

Create a Profile



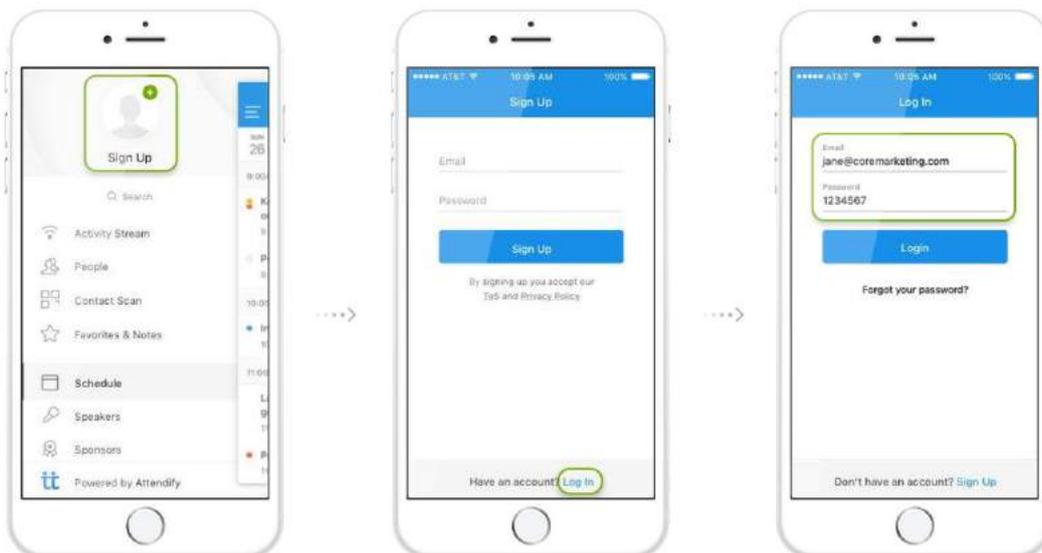
1. Open the app's main menu.

2. Tap on the "sign up" area.

3. Enter your email and choose a password.

4. Add your profile information.

Log In to your Profile



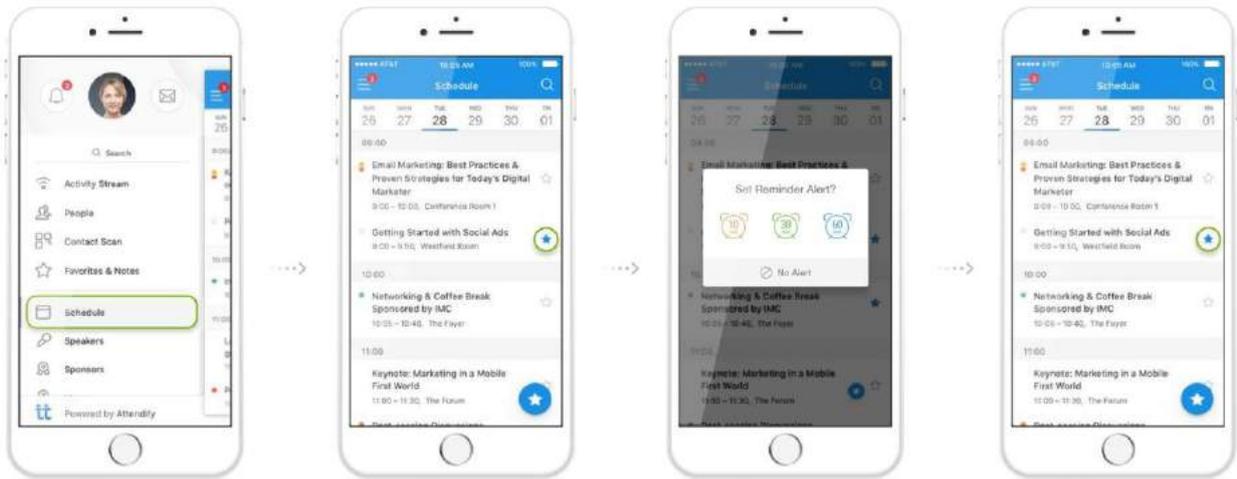
1. Open the app menu and tap on "Sign Up."

2. Tap on the "Log in" link.

3. Enter your email and password.

May count towards Continual Professional Development (CPD) for MOD staff

Save a Session to “My Schedule”



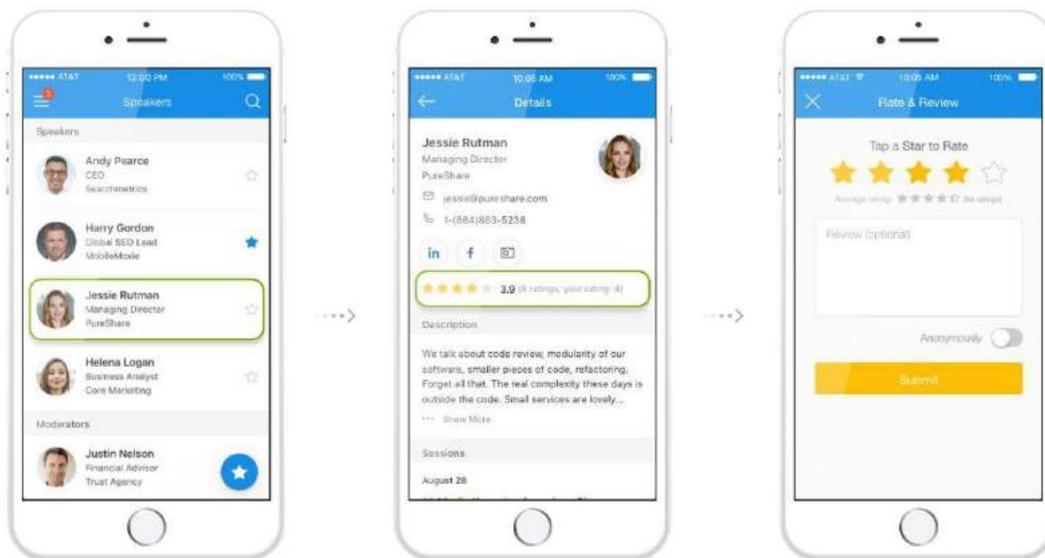
1. Open the app's schedule/agenda.

2. Tap the “star” button to save a session.

3. Set an optional reminder alert.

4. To remove a saved session, tap the star again.

Rate and Review



1. Choose a speaker or session.

2. Tap the rate & review area.

3. Set your rating and submit.

May count towards Continual Professional Development (CPD) for MOD staff

Save Content to your Favorites



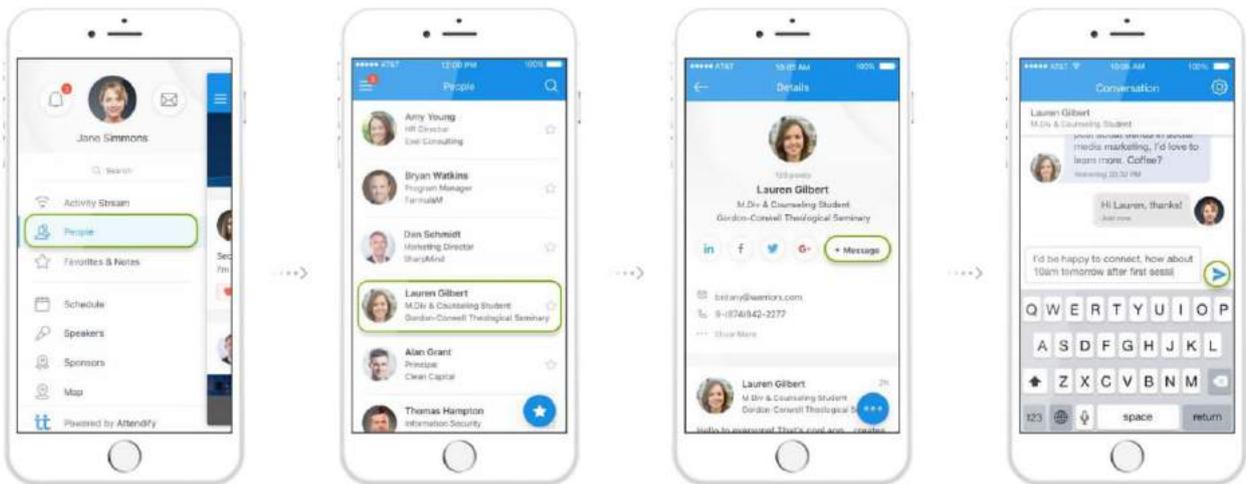
1. Choose a section of the app you want to view.

2. Save by clicking the star button.

3. Open favorites & notes.

4. Tap to see all your saved favorites.

Send a Private Message



1. Go to the "People" section of the app.

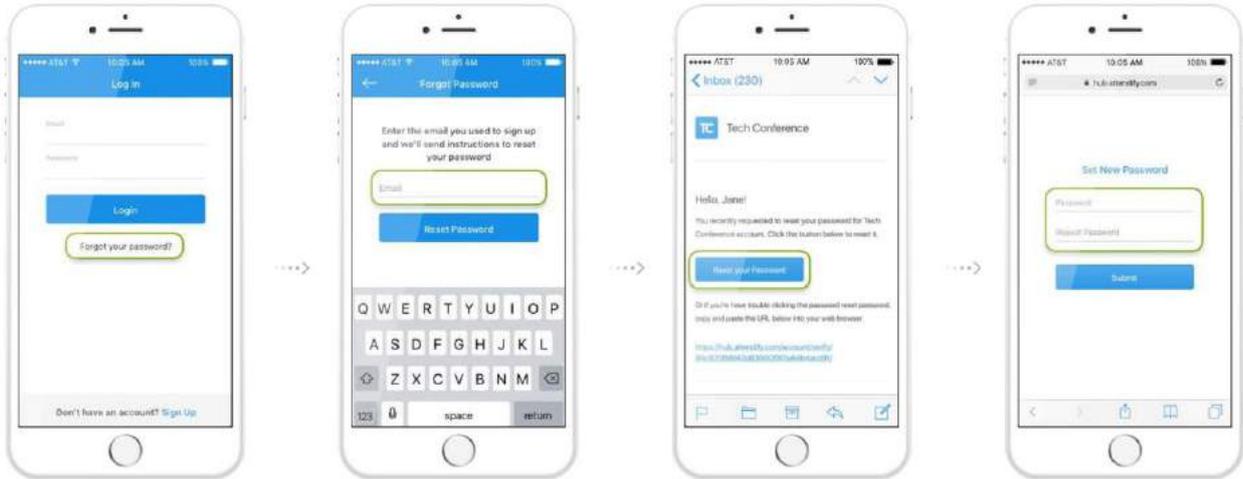
2. Choose a person to message.

3. Tap the message button.

4. Compose your message and send.

May count towards Continual Professional Development (CPD) for MOD staff

Reset your Password



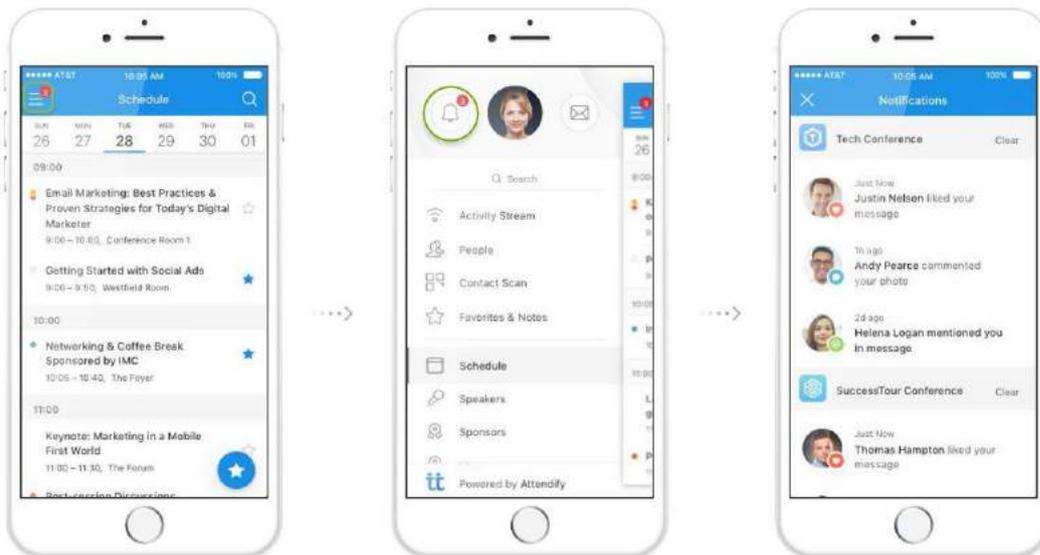
1. On the log in screen tap "forgot password."

2. Enter the email you signed up with.

3. Check your email for reset instructions.

4. Set a new password and log in.

Access Push Notifications



1. Tap the menu button when you see a red badge.

2. Tap the notification center icon.

3. View your unread notifications.