

First name:	Surname:	Brief overview of your background and experience in this SIG subject matter: (maximum 150 words)	What motivated you to put yourself forward for election to the APM Systems Thinking SIG committee? (maximum 150 words)	What qualities, skills and experience do you think you'll bring to the APM Systems Thinking SIG committee? (maximum 150 words)
Frank	Curtolo	Frank is a Snr Systems Engineer and Project Manager who applies combined technical management and project management techniques to develop and implement integrated engineering, commercial and project management processes, tools and teams to form the enterprises' project management and project delivery systems. He has over 35 years' experience in systems engineering, systems engineering management, and project and program management gained in Nuclear, Defence, Science & Technology and Architecture-	Continue support of the though leadership provided by the Systems Thinking SIG	Integration of project management with systems engineering. Systems thinking in resolving complex projects and programmes

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		Engineering- Construction industries.		
Michael	Emes	Director of UCL Centre for Systems Engineering and Programme Leader of MSc Management of Complex Projects. Member of SIG systems thinking committee since 2016.	Want to continue to contribute to the SIG as time permits.	PM and systems thinking knowledge. Academic research and publications.
Bruce	Evans	I am CEEB apprenticed technical systems engineer (1982-88) working currently in the area of large-scale systems programme assurance and design leadership. I am highly thought of in both the aviation and nuclear sectors for thought leadership in the areas of capability realisation (benefit outcome driven) and holistic safety assurance. I apply system thinking particularly well in the design and utilisation of new ICT technologies and in particular human systems automation -	I have found, relatively recently, that over the last twenty years, what I have brought to all my programmes is called System Thinking - which has sometimes resulted in a feeling of isolation and challenging situations where the necessary understanding of the solutions and especially the problem needing a resolution, does not exist within the organisations I am often representing at senior level and even as technical and political liaison with the regulator. I would like to	I am a very open, loving, dedicated and deep thinking individual who is a musician at heart. I bring energy and vivacity to all I do and I have been in some extraordinarily challenging places with my work over the last 20+ years. I have led teams on major airports and for class A nuclear programmes and been part of the SESAR research programme bringing new thinking and challenging risky and ill informed cultures in the most unexpected places. I have often been on my own intellectually in these situations and know what it feels to be edging and managing suicidal feelings as a result of the intense pressure of responsibility for millions of lives in the design strategy realisation which sits with me - without witting support. I have also been astonishingly uplifted when part of groups building new understanding and creating, for example, new guidance material for human systems integration and design with the CAA. CAP1377 being something I am particularly proud of. https://publicapps.caa.co.uk/docs/33/CAP%201377%20final%20Mar%202016.pdf

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		functional capability, simulation, validation, safety assurance plan development and safety case authoring utilising existing assurance standards such as EIC61508, ED109, DO178/278b/c and often going beyond what is supported through existing regulation using explicit risk estimation amongst other necessary techniques. I always build inspirational teams for novel solutions and directing any and all methods of programme realisation whether for novel real time solutions or existing standards based approaches across multiple high demand assets.	be in a group of like minded individuals where my thinking will be part of the growth of knowledge for this discipline and how such a plenary level thinking approach can inform and support all other disciplines with joy.	
Andrew	Gray	I was a founder member of the Systems Thinking SIG, having served in the previous Joint Working Group since its	To continue the good work and promote the benefits of systems thinking to all aspects of	Enthusiasm, many years of volunteering experience and a determination to advance the subject matter across the APM

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		inception. I have presented on the subject at both INCOSE UK and International events , and at APM events.	project, programme and portfolio management.	
Phil	Knights	I am a practicing Project Manager (PM) for General Dynamics Mission Systems UK, which is a complex systems integration and prime contractor primarily serving the UK MOD. The APM's ways of working and competency framework are an integral part of GDUK's ways of working and governance structures, which I implement in full. Systems Thinking is a core value of the business to help collaboratively work with customers, partners and suppliers alike to develop comprehensive solutions that deliver the required outcomes	I have been a volunteer with the Systems Thinking SIG for the past two years and would like to continue to develop the relationship with INCOSE UK and realign the scope and objectives of the APM, INCOSE UK and INCOSE International systems thinking communities of interest.	I contribute to the diverse and multi-disciplinary membership of the Systems Thinking SIG by being a practicing member of a global defence contractor. This includes awareness and practice of linear, agile and hybrid project delivery methodologies and frameworks. I also have an international insight of the PMI ways of working and Body of Knowledge practiced by my colleagues in North America.

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		at all stages of long project life cycles. I'm also a member of INCOSE UK and practice many aspects of systems engineering principles as part of my project scoping and delivery work. My INCOSE knowledge also helps me work collaboratively with systems engineers and architects colleagues.		
Gennadii	Miroshnikov	I have 15+ years of project management experience in the digital technologies industry, EdTech (both: in higher education and corporate training) and telecommunications for international companies and universities. My first degree was in System Engineering and a PhD in Management Information Systems. Throughout my career, I have applied systems thinking to managed projects, and also	I am interested in the wider promotion of systems thinking approach across different industries and organisations and I believe that being a committee member gives a great opportunity to do it. I'm keen on supporting SIG's initiatives for spreading best practices of applying System Thinking throughout the project management community. I am particularly interested in	Being a full member since 2016 I have been actively involved as a volunteer in the APM Education Network Group, supporting its events and sharing my experience and knowledge with students of UK universities, also contributed to a few issues of Project magazine and APM blog. I have extensive experience in organising and running online events and will be delighted to be involved in managing such events for the SIG, webinars, conferences, etc. I have also vast experience in developing and managing training materials (on university and corporate level) and can contribute to creating learning assets for the SIG and APM itself. I want to continue to contribute to the promotion of systems thinking as a key success factor for projects delivery.

		<p>lectured at universities on how this approach can significantly increase the effectiveness of IT projects and the adoption of innovations. Apart from APM, I am a full member and volunteer of the Association for Learning Technology.</p>	<p>research, publications and development of L&D resources for APM members strengthening their knowledge and broadening their skillsets.</p>	
Joy	Ncube	<p>I am Chartered Project Professional with over 15 years experience in the delivery of project, programmes and portfolios in the private and public sector. I am a hybrid professional as my experience also includes business analysis, business architecture and business change. When I've held business architecture and business analysis roles, there has always been a very strong element of systems thinking.</p>	<p>I am keen to help develop more hybrid thinking (and doing) when it comes to delivery; a holistic approach to ensuring the intended outcomes of change initiatives are appropriately assessed for impact and purpose and achieved.</p>	<p>I am a hybrid professional who approaches and delivers project delivery and strategic thinking and analysis with equal ease. I am a champion of project delivery professionals being hybrid in their experience and skills. As a current government employee in Whitehall, I believe that there is some room for systems thinking to be developed and applied to delivery in a more holistic way; and a way that benefits the public and nation at large.</p>

Cesar	Rendora	I have been an active committee member of the ST SIG for over a year now, involved in promoting ST to P3Ms and in conducting several webinars during that period.	I would like to continue my involvement on the ST SIG committee to help in bringing better awareness of its relevant to P3Ms and ST be recognized as essential P3M tool.	I believe that the SIG ST committee will benefit from my broad experience as a practicing Chartered Civil Engineer and in relating ST application in managing major projects.
Tony	Spears	Since leaving the Army in 2010 I have spent the last 10 years as a project and programme manager in Systems Engineering organisations. My last role in the Army was focused on delivering complex system into service which included formal (masters-level) education in technology and systems thinking. More recently I have led the delivery of complex systems engineering projects where a good deal of the risk lay in the systems integration and systems proving elements of the programme. As a result, I have experience	Firstly, I have a strong sense that I need to 'give back' to the profession – APM has supported my career development since I left the Army and, having recently achieved Chartered status, I feel it is high time I contributed to the development of knowledge within our profession. The Systems Thinking SIG feels like a good fit for my background and experience. My PM experience has majored on delivery of systems engineering projects and working with systems thinkers. In my current role I am leading our	I am strongly team-focused with experience collaborating with dispersed and virtual groups to generate knowledge. I have led and contributed to a number of P3M working groups where we have produced outputs such as reports and presentations. I have good stakeholder management skills. I am able to communicate and engage effectively across a range of stakeholders with complimentary skills such as meeting facilitating and conflict management. I have a proven ability to conduct academic research having gained a masters-degree in a closely related subject – my dissertation for that degree looked at the systems engineering challenges associated with introduction of new technology into an existing system. Finally, I can communicate effectively both orally and on paper. I am happy with contribute to authoring technical papers and am able to employ different writing styles to engage with an audience.

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		<p>understanding the application of systems thinking practice across a variety of projects and programmes. As importantly, I have enjoyed developing strong networks with the systems engineers with whom I've worked. I believe this background gives me the ability to view project management and systems thinking from different perspectives and engage effectively with systems thinkers.</p>	<p>project management group within a systems engineering consultancy and am fascinated by how we can integrate the two bodies of knowledge to deliver projects more effectively. Finally, I think the concept of your two guides is a really strong direction of travel and I would like to tangibly contribute to your vision to deliver 'doing the right project' and 'doing the project right'.</p>	
Tony	Thornburn	<p>I was a former member of the APM ST SIG but took a break last year from the committee although participated in various activities this past year. Applied Systems Thinking at the outset and throughout a number of projects and programmes with which I have been involved or directly responsible: e.g.</p>	<p>I am keen to promote the link between Project Management and Systems Engineering and the underpinning Systems Thinking that is required to make optimal success of the challenges that face us all in the ever-increasingly complex world.</p>	<p>Knowledge and real-world experience (examples) of using systems thinking in various enterprises. Former Visiting Fellow, Cranfield University, and lecturer in Systems Engineering, after 35-years in the Armed Forces including experience in Programme and Project Management. Successfully passed APM examination in 1999. PRINCE2 qualified in 2004. MSc In Systems Engineering. Now chair of a rare disease charity that is a requiring a ST and systemic approach to the challenges being confronted.</p>

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		Initiating what was, in 2000, a £3.4bn (WLC) soldier modernisation programme at DE@S (now DPA). Helped develop a number of the extant documents underpinning the ST SIG work.		
Andrew	Wright	Founder member of the original Joint Working group with INCOSE UK and SIG. Publisher author and blogger on project quality (applying systems thinking)	Founder member of the original Joint Working group with INCOSE UK and SIG. Publisher author and blogger on project quality (applying systems thinking)	Currently co-chair, during which time we have delivered two successful webinars, several blog posts, 3 lectures to universities and interesting meetings. We are planning two APM guides.