

Summit Focus

Innovation and Economic Transformations

System of Systems

Complexity Growth needs multi-disciplinary System Workforces

<https://systems-workforce.eu>

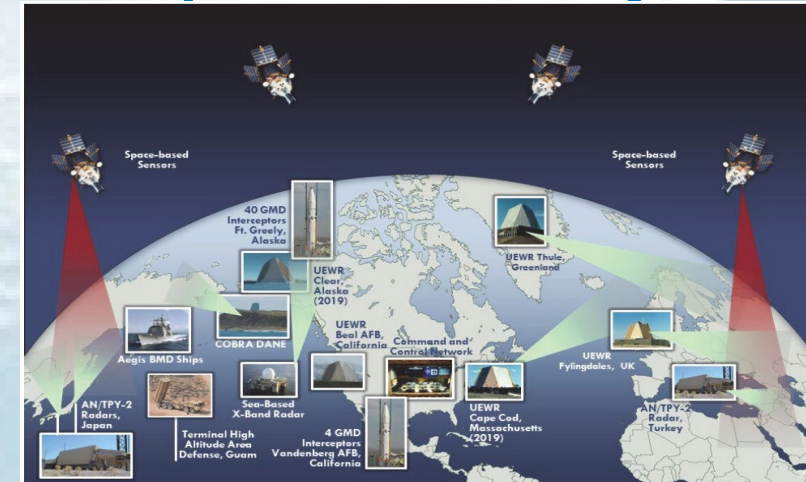
Summit Overview, Prof. Heinz Stoewer, Summit Architect, Delft University of Technology



Smart Agriculture



Space & Security



What do these Products have in common ?



Most all have become complex, interdependent and self-adapting software/AI-defined System of Systems (SoS)

All need multi-disciplinary cooperation of specialists, system integrators and program managers at equipment, subsystem and system levels

Transformations and System of Systems all need

Life-cycle Systems Architecting, Engineering and Management

- to obtain an early understanding of critical realization issues, such as risks, cost, schedules, sustainability, cyber-security, business opportunities, and societal impacts

Integrated Implementation Approaches

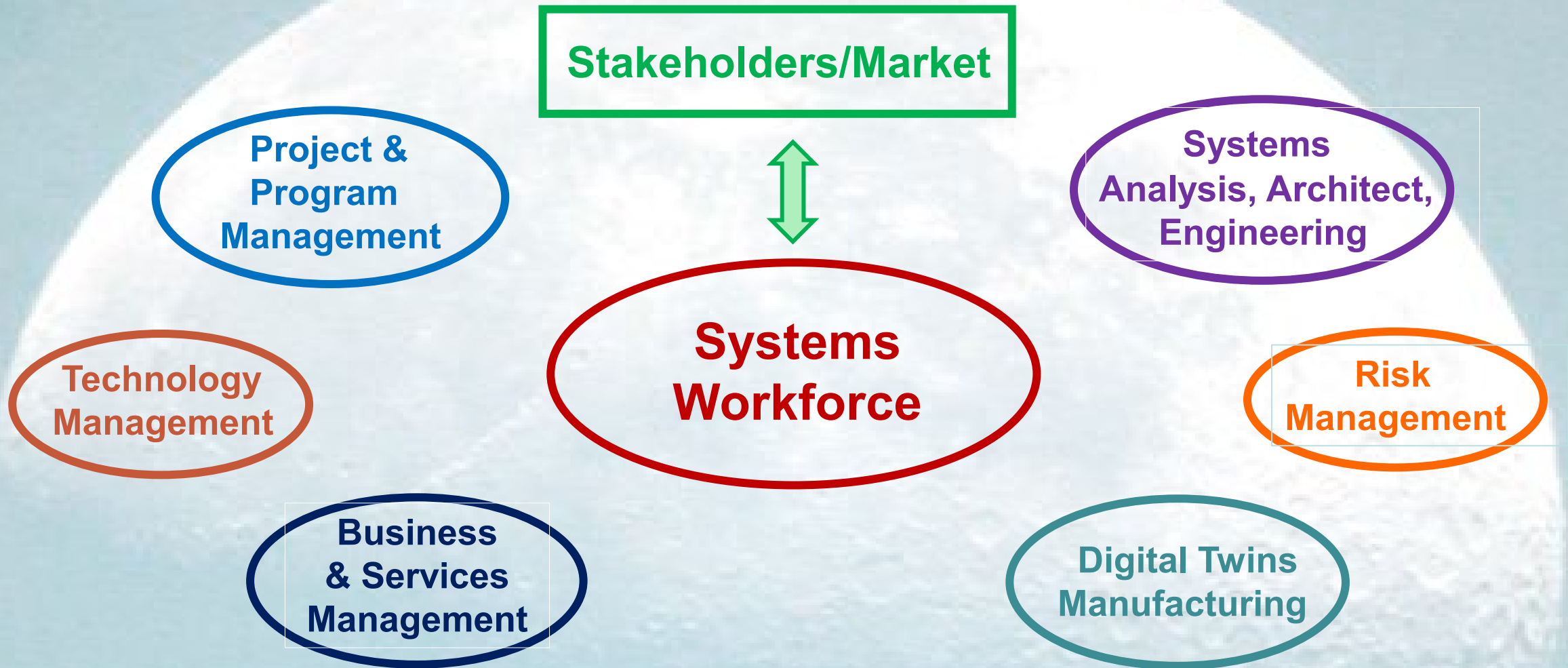
- to realize trusted, AI supported system concepts and designs with hardware, software, and service elements and seamless interoperability characteristics

System Competencies at most Product Tiers

- to ensure successful realization of all system elements for OEM integrators & suppliers

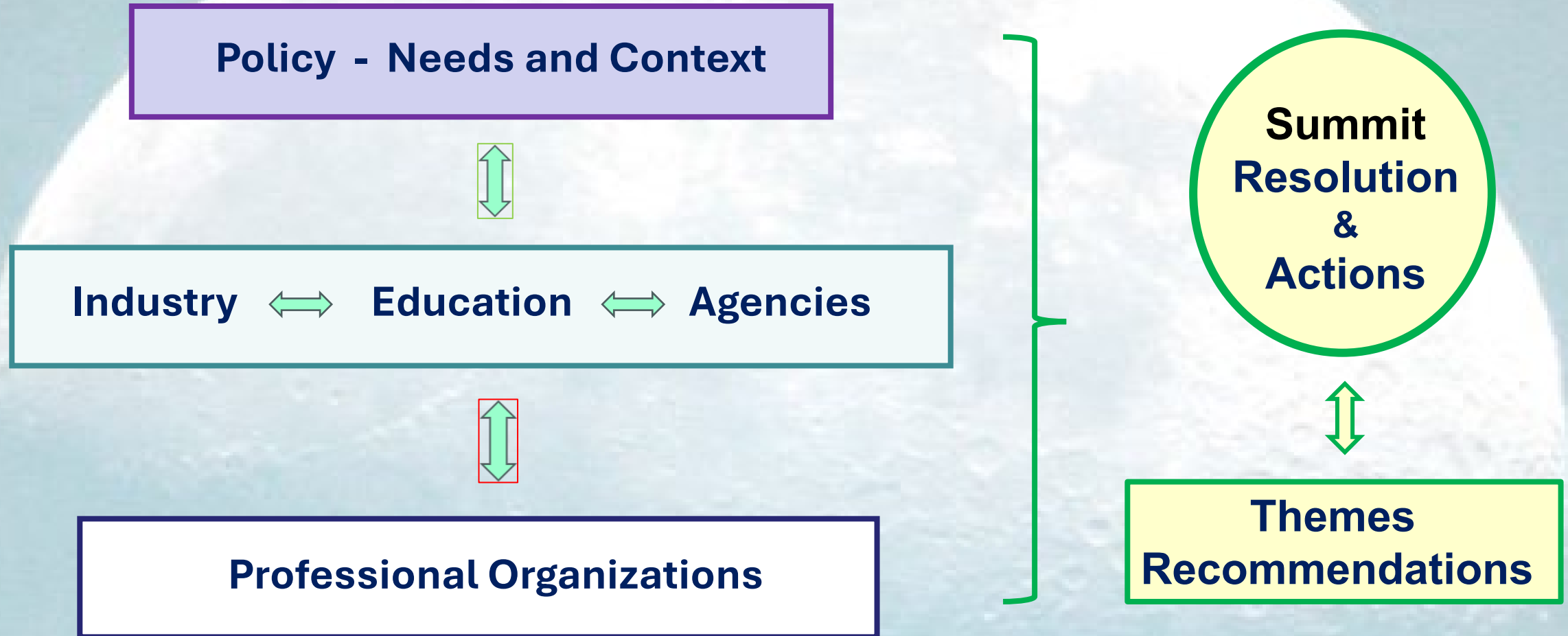
Pragmatic System Realization Teams

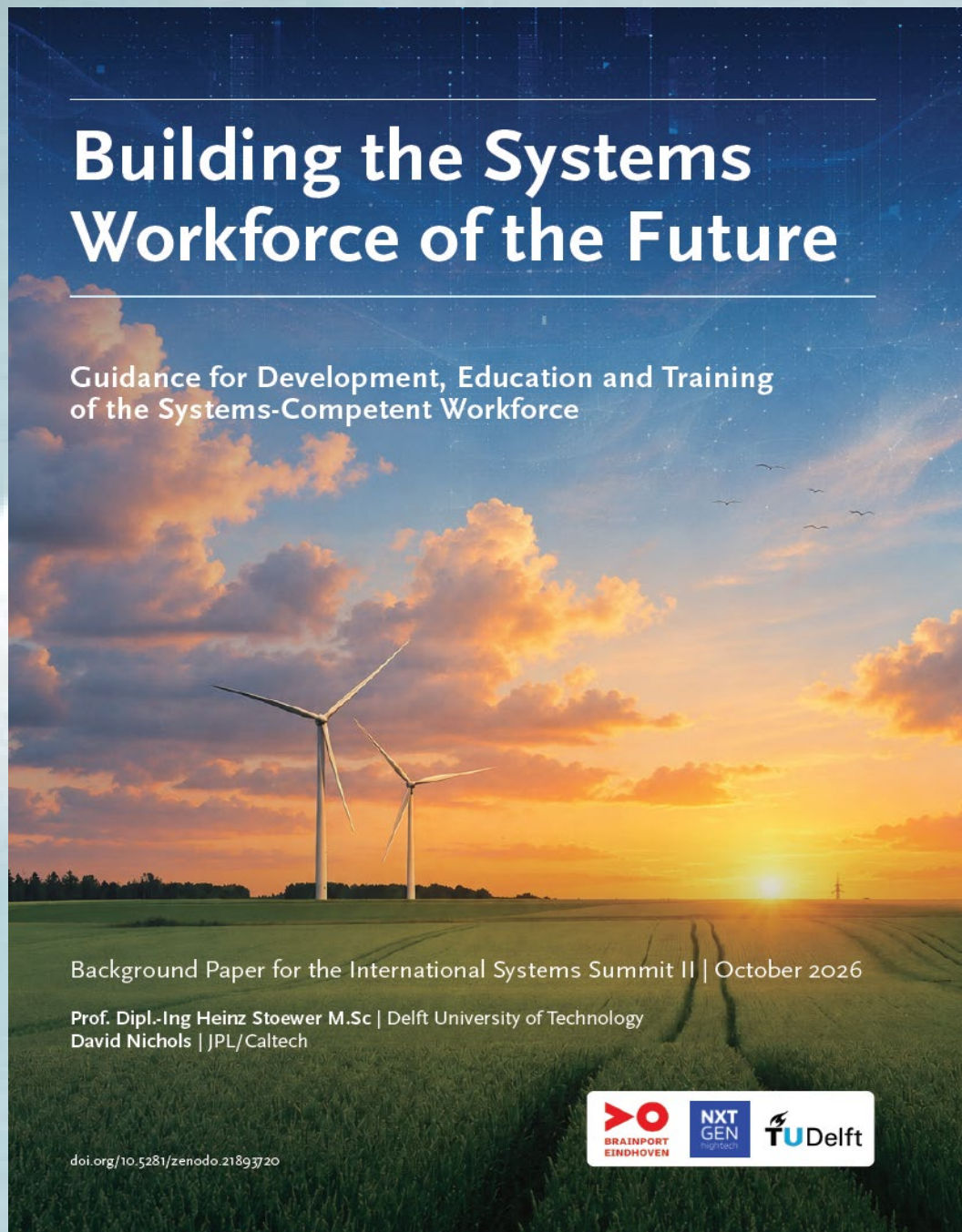
The multiple Core Functions of a Systems Workforce



... all include Sustainability, Cyber-Security, Regulations, Complexity & Supply Chain Management

Five Themes, multiple Viewpoints, Resolution & Actions





White Paper Summit Background Information

Responds to a growing shortage of system professionals capable of dealing with growing complexity and technology advances in society and industry

Guidance across many industrial sectors and types of systems - from Energy to Smart Cities or Health, from Hardware to AI supported Software Systems, and to System of Systems

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Major Summit Themes and Chairs

Opening: Chair of the Executive Board, Delft University of Technology; Representatives from European Commission/ Parliament, NATO, WEF, et al

Policy: Global Systems Context and Needs, Chair: Jeroen Dijsselbloem, former Minister of Finances & President Dutch Central Bank, Chair Brainport Eindhoven; Assoc. Chair: Monika Hoekstra, Managing Director Dutch NxtGen HighTech Program

Industry Implementation: System Competencies, Drivers of Industry Innovation, Chair: Jan van Vlerken, Senior Vice President System Engineering, ASML; Assoc Chair: Joris van den Aker, Program Manager Competence Development, TNO

Academia/Education: System Competencies Education needs a Paradigm Shift, Chair: Emma Sparks, Rector and Dean, University of New South Wales; Assoc Chair: Prof Rob Vingerhoeds, ISAE SUPAERO

Government and Agencies: Policy Guidance & Systems Implementation, Chair: Larry James, Lt Gen, USAF (Ret), Strategic Advisor SmartSat Cooperative Research Centre, former Deputy and COO NASA JPL; Assoc. Chair: David Nichols, Caltech, former Director Systems and Software, NASA JPL

Professional Organizations: Cooperation for growing scarce System Workforces, Chair: Clay Mowry, CEO, American Institute of Aeronautics and Astronautics, AIAA, Past President International Astronautical Federation; Assoc Chair: Davide Petrillo, AIAA, Managing Director EMEA

Summit Conclusions and Resolution: Summit Chair Hester Bijl, Rector Magnificus Delft University of Technology, Theme Chairs, Main Sponsor, Associate and Summit Architect Heinz Stoewer

Strategic Summit Keynotes

Highlight: *The Future of Competitiveness depends upon Systems Sovereignty, Mario Draghi, former President European Central Bank and Prime Minister of Italy, virtual, tbc*

Policy: *Peter Wennink, Dutch Government's independent Economic & Innovation Adviser, former CEO ASML; Admiral James O. Ellis, Jr. USN (Ret), Annenberg Distinguished Fellow, Hoover Institution, Stanford University, Chair of the Council US National Academy of Engineering (NAE); Vice Admiral J W Hartman, Commander Commando Material & IT, Dutch Marine; et.al.*

Impulse Lectures: *Impacts of the digital Ecosystem, Arnaud Hubeaux, ASML; Cybersecurity, a critical growing element of Technology and industrial Security, Larry James, CEO and Co-Founder KAlperShield; Quantum Computing System Applications, tbc*

Industry: *Jos Benschop, Exec VP Technology ASML; Sabine Klauke, Head of Digital Design Manufacturing and Services, Airbus; ACATECH Exec Board, tbc; Chiara Pedersoli, CEO OHB Systems*

Academia/Education: *Peter Stolk, Chair Dutch HighTech Program; Lucas Roffel, President Netherlands National Academy of Engineering; Prof Bryan Moser, Academic Director SDM, MIT*

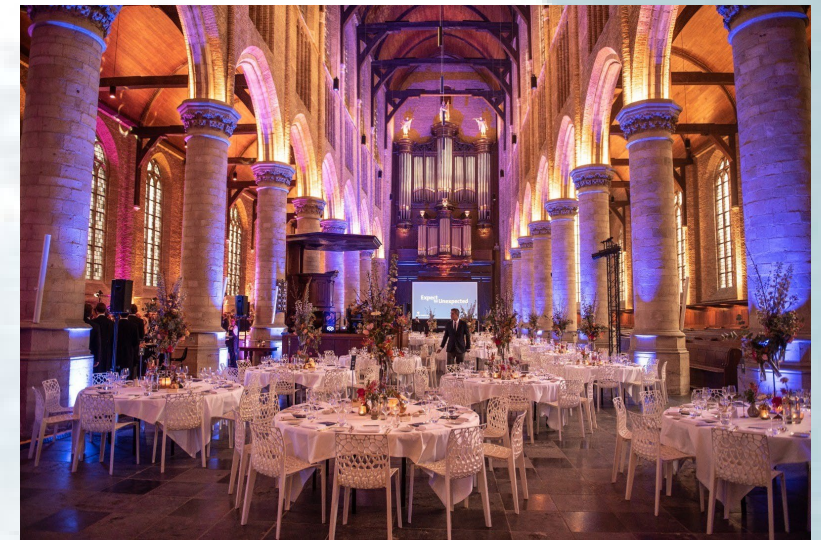
Agencies: *Dietmar Pils, Technical Director European Space Agency*

Professional Organizations: *Ania Lopez, Executive VP, WFEO ; Michael Watson, President INCOSE; IEEE, PMI tbc*

Systems Workforce Summit

27 and 28 October 2026
Oude Kerk Delft, The Netherlands

Innovation and Economic
Transformations



27/28 October in Delft, The Netherlands

Unique Venue - 1000 year „Old Church“

Summit Dinner at the „Royal Church“

Please refer to <https://systems-workforce.eu> for more details