Anders Fongen, bio and achievements

Anders Fongen is a teacher and researcher at the Norwegian Defence University College, Cyber Defence Academy, which is a military education establishment for cyber defence and cyber warfare. Fongen has a background as a military chief scientist since 2006, in the Norwegian Defence Research Academy.

With a lifelong passion for communication technology, he wrote his master thesis in 1986 on the construction of a Distributed Operating Systems, at a time where this term was not yet invented. His interest in the combination of programming and communication led him into the field of Distributed Systems, and he wrote his Ph.D. thesis in 2003 on the use of p2p patterns for a search engine design which employed an overlay network of peers based on semantic properties of the stored data.

His career in military computer science offered him opportunities to investigate networking security and trust managements systems, and his early IARIA publications focused on trust management in tactical and mobile military networks. Since 2010, Fongen has published 10 scientific papers in the IARIA community.

Fongen's present research interests are future satellite systems, where a network of LEO satellites provide information services as well as communications services, and the integration of digital radio systems in sensor networks for improved situation awareness, effectiveness and safety for field operating personnel.

Beside his 40 scientific publications, Fongen has written a textbook on Operating Systems (in Norwegian), 120 professional articles for Norwegian journals and periodicals, and presently maintains his professional blog on http://anders.fongen.no/.

Anders Fongen is also radio amateur with the callsign LA6UIA, and is vice president of the local radio club in his hometown.

Still, Fongen considers his teaching as his main contribution to the professional community, and nearly 2000 Norwegian IT professionals have been his students. Fongen has also supervised 22 master theses.

--------- More formal details below --------------
Born 1958
M.Sc Computer Science 1986, University of Bergen.
Thesis: Constructed a "Distributed Operating System" before the term was invented

Ph.D 2004, University of Sunderland, UK.
Thesis: p2p-based search engine using semantic overlay network of peer nodes

Career:

       1980-1987 Programmer in Norwegian electronic industry

       1987-1998 IT professional in Norwegian oil industry

       1998-2006 Associate professor in civilian college, Oslo

       2006-2017 Chief scientist, Norwegian Defence Research Establishment

       2017-dd   Associate professor, Norwegian Defence University College, Lillehammer

Author of 40 scientific publications
Author of 120 professional articles

Selected paper published with IARIA:

1. Anders Fongen (2010) Identity Management Without Revocation, *IARIA SECURWARE 2010, Venice, Italy, July 2010.*

2. Anders Fongen (2011) Architecture Patterns for a Ubiquitous Identity Management System. *IARIA ICONS 2011, St. Maartens*

3. Anders Fongen (2011) Federated Identity Management for Android. *IARIA SECURWARE 2011, Nice, France*

4. Anders Fongen (2019) Dynamic Path Discovery for In-band Control Plane Communication in a Tactical SDN Network. *IARIA EMERGING 2019, The Eleventh International Conference on Emerging Networks and Systems Intelligence, held in Porto, Portugal during September 22 - 26, 2019.*

5. Anders Fongen, Kirsi Helkala, Mass Soldal Lund (2020) Trust Through Origin and Integrity: Protection of Client Code for Improved Cloud Security *IARIA Securware 2020 Valencia, Spain*

6. Anders Fongen, Mass Soldal Lund (2020) Integration of Network Services in Tactical Coalition SDN Networks *IARIA Securware 2020 Valencia, Spain*

7. Anders Fongen, (2021) Application Services in Space Information Networks *IARIA CYBER 2021 The Sixth International Conference on Cyber-Technologies and Cyber-Systems, Porto, Portugal*

8. Anders Fongen (2021) Trust Management in Space Information Networks *IARIA SECUREWARE 2021 The Fifteenth International Conference on Emerging Security Information, Systems and Technologies, Athens, Greece*

9. Anders Fongen, Lars Landmark (2022) Cooperative Caching in Space Information Networks, *IARIA INTERNET 2022, The Fourteenth International Conference on Evolving Internet, Venice, Italy*

10. Anders Fongen, Lars Landmark (2022) Population Based Routing in LEO Satellite Networks, *IARIA MOBILITY 2022 The Twelfth International Conference on Mobile Services, Resources, and Users, Porto, Portugal*