

Webinar on SRIA

Strategic Research and Innovation Agenda (SRIA) 2021-27
“Smart Networks in the context of NGI”

2020

NETWORLD
SRIA webinar

Strategic Research and Innovation Agenda

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Based on Networld2020 SRIAv3.0



The European Technology Platform for
communications networks and services



SRIA – 2021-2027

□ What is the SRIA?

- ✓ Reference document on challenges associated with the communications domain
- ✓ Community built
- ✓ Updated every 2-3 years
- ✓ This last update based in a large common process.
 - ✓ Triggered in the Visions for Future Communication Summit event, Lisbon 2019
 - ✓ Developed inside a team led by Ari Pouttu and Jyrki Huusko for about six months
 - ✓ Formal public consultation process
 - ✓ Overall, about 150 elements contributed, coming from about 100 organizations
- ✓ Increasingly touching on adjacent topics, due to unavoidable interrelations

□ What is it used for?

- As a driver for designing the future EU R&D programs, in particular that associated with communications
- As an independent indication of scientific challenges across Europe
- As a recommended scope document for national programs in multiple countries
- As an alignment document on the expected performance improvements in several scientific domains related with communication networks and services

NetWorld 2020 SRIA: Smart Networks in the context of NGI



1. Introduction
2. Policy Frameworks and Key Performance and Value Indicators towards 2030 (Editor: Ari Pouttu, Werner Mohr)
3. Human Centric and Vertical Services (Editor: Josep Martrat)
4. System Architecture (Editor: Artur Hecker)
5. Edge Computing and Meta-data (Editor: Kari Seppänen)
6. Radio Technology and Signal Processing (Editor: Wen Xu)
7. Optical Networks (Editor: Jörg-Peter Elbers)
8. Network and Service Security (Editor: Emmanuel Dotaro)
9. Satellite Communications Technologies (Editor: Alessandro Vanelli-Coralli)
10. Opportunities for Devices and Components (Editor: Andre Bourdoux)
11. Emerging Technologies and Challenging Trends (Editor: Rui L Aguiar)



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TODAY



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TOMORROW



Rules of the webinar



- Many persons attending
 - Please be patient
 - Delays in communication are expectable
 - Please keep the camera off if not talking, and on if talking
- Lots of interesting talks, in too little time
 - Please be patient
 - There are several interactive slots in the agenda
- Maybe too short time for discussions...
 - Please be patient,
 - and follow the rules
- Managing time and questions
 - Please be patient
 - Questions to be made via chat and will be moderated in the interest of time
 - Time permitting, more general comments from the audience will be taken
 - We will produce a summary document (and will tape this for internal purposes)



Rules of the webinar



SMART NETWORKS IN CONTEXT OF NEXT GENERATION INTERNET, STRATEGIC RESEARCH AND INNOVATION AGENDA

(TIME IN CET) ⇅	SYSTEM VIEW 3 FEBRUARY 2021	TECHNOLOGY VIEW 4 FEBRUARY 2021	⇅
9:30 - 9:40	Opening words and introduction to agenda (Rui Aguiar)	Opening words and introduction to agenda (Jyrki Huusko)	
9:40 - 10:00	Overview of SRIA targets and content - Day 1 (Ari Pouttu)	Overview of SRIA targets and content - Day 2 (Ari Pouttu)	
10:00 - 10:30	Human centric and Vertical Services (Josep Martrat)	Opportunities for devices and components (Andre Bourdoux)	
10:30 - 11:00	Network and system architecture (Artur Hecker)	Radio technologies (Wen Xu)	
11:00 - 11:10	Short Break	Short Break	
11:10 - 11:40	Edge computing and meta-data (Kari Seppänen)	Optical Networks (Jörg-Peter Elbers)	
11:40 - 12:10	Network and service security (Emmanuel Dotaro)	Satellite communication technologies (Alessandro Vanelli-Coralli)	
12:10 - 12:30	Emerging Technologies and Challenging Trends for System view + "Open Microphone" (Rui Aguiar)	Emerging Technologies and Challenging Trends for Technologies + "Open Microphone" (Rui Aguiar)	
12:30	Closing of the seminar	Closing of the seminar	

And finally a ACK



Rui L. Aguiar (editor), Ahmed Akan, Ian F. Akyldiz, Marco Andrenacci, Miguel Ángel Vázquez, Antonio Arcidiacono, Jordi Arjona, Jorge Arjona Aroca, Achim Autenrieth, Arturo Azcorra, Nikolaos Bartzoudis, Didier Belot, Jose Manuel Bernabeu Auban, Carlos Jesus Bernardos Cano, Sébastien Bigo, Gregory Blanc, Nicola Blefari-Melazzi, Marja-Matinmikko Blue, Harald Bock, José Bonnet, **André Bourdoux (editor)**, Raffaele Bruno, Albert Cabellos, Giuseppe Caire, Gino Carrozzo, Roberto Cascella, Ramon Casellas, Francky Catthoor, Fabio Cavaliere, Nicolas Chuberre, Claudio Cicconetti, Nicola Ciulli, Daniel Corujo, **Emmanuel Dotaro (Editor)**, Falko Dressler, Jan Craninckx, Filippo Cugini, Francesco D'andria, Franco Davoli, Tomaso De Cola, Hervé Debar, Thomas Delamotte, Paolo Dini, Rui Dinis, Jordi Domingo-Pascual, Michael Eiselt, **Jörg-Peter Elbers (Editor)**, Omar Elloumi, Barry Evans, Gerhard Fettweis, Sérgio Figueiredo, Valerio Frascolla, Ronald Freund, Alex Galis, Ana Garcia, Lorenza Giupponi, Stein Gjessing, Helmut Grießer, Harald Haas, Said Hamdioui, **Artur Hecker (Editor)**, Tim Hentschel, David Hillerkuss, Marco Hoffmann, Bengt Holter, Marko Höyhtyä, Hans-Peter Huth, **Jyrki Huusko (Editor)**, Riku Jäntti, Jenny Johnson, Josep M. Jornet, Liu Ju, Ana Juan, Charalampos Kalalas, Alexandros Kaloxylos, Gour Kar, Georgios Karagiannis, Holger Karl, Andreas Knopp, Raymond Knopp, Florent Krichner, Evgeny Kucheryavy, Eva Lagunas, Yao-Hong Liu, Michele Luglio, Antonio Manzalini, Mario Marchese, **Josep Martrat (editor)**, Cyril Michel, Enzo Mingozzi, Marco Miozzo, **Werner Mohr (editor)**, Alain Morad, Raul Muñoz, Maziar Nekovee, Peter Ossieur, Daniel Pakkala, José António Palma, Aarno Pärssinen, Andrea Passarella, Ana Pérez, Luis Perez-Freire, Ullrich Pfeiffer, Yvan Pointurier, **Ari Pouttu (editor)**, Ayman Radwan, Parm Raewal, Nandana Rajatheva, Aurora Ramos, Enrico del Re, Johannes Riedl, Elisa Rojas Sánchez, Marco Ruffini, Daniel Sáez-Domingo, Natalie Samovich, Jose Manuel Sanchez, Pouria Sayyad Khodashenas, Sachin Sharma, Colja Schubert, Egon Schulz, **Kari Seppänen (editor)**, Pablo Serrano, Alena Siarheyeva, Dimitra Simeonidou, Muhammad Zeeshan Shakir, Apoorv Shukla, Rute Sofia, Hui Song, Alexandros Stavdas, Juergen Sturm, Panagiotis Trakadas, Dirk Trossen, Attilio Vaccaro, Alexandre Valentian, **Alessandro Vanelli-Coralli (editor)**, Angeles Vazquez-Castro, Luís Velasco, Ovidiu Vermesan, Panayiotis Verrios, Piet Wambacq, Rainer Wansch, Michael Welzl, Joerg Widmer, Henk Wymeersch, George Xilouris, Dehao Wu, **Wen Xu (Editor)**, Seppo Yrjölä, Florian Zeiger, Martina Zitterbart, Zhi Zhou,