

NGIAtlantic.eu Results Showcase

22nd June 2022, 5:15 - 6:30 PM

Session organisers: Jim Clarke, Mícheál Crotty, South East Tech. University, Waterford, Cristina Mancarella, Trust-IT, Italy
Session Chairs: David Kennedy, Eurescom, NGIatlantic.eu project partner; Deepankar (Deep) Medhi, Computer & Network Systems (CNS) Division at the National Science Foundation

1 – IoT Week - 22.06.2022



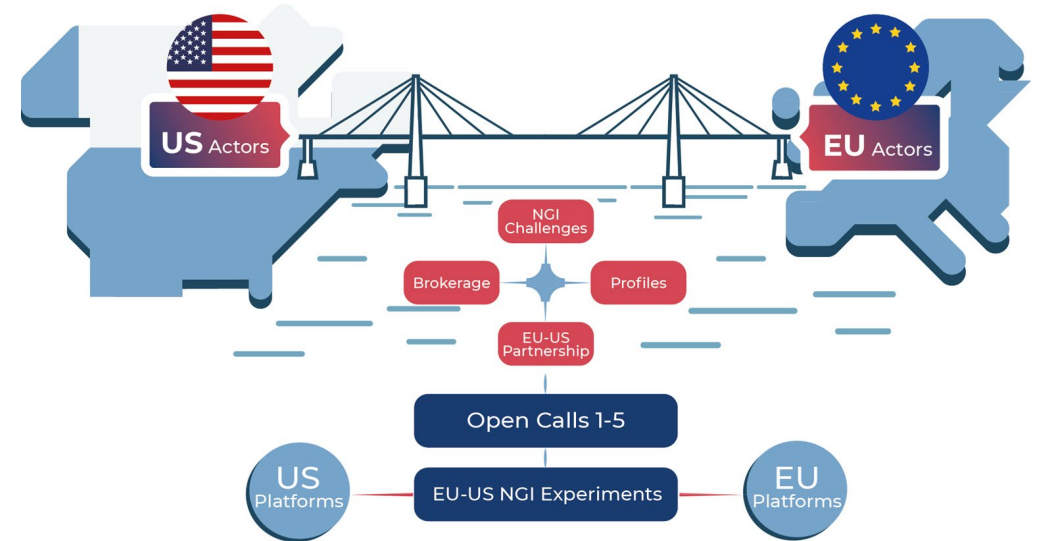
Agenda

17:15 - 17:20	Welcome and introductions - <i>Session Co-Chairs, David Kennedy, Eurescom, NGIatlantic.eu project partner; Deepankar (Deep) Medhi, Computer & Network Systems (CNS) Division at the National Science Foundation</i>
17:20 - 17:25	Brief presentation of the project, purpose and format of session - <i>David Kennedy, Eurescom</i>
17:25 - 17:30	NSF “Dear Colleague Letter” for US funding - <i>Deep Medhi, National Science Foundation</i>
17:30 - 18:10	Presentations from the NGIatlantic.eu Funded projects - <i>Nicolas Nicolaou, Algolysis Ltd; Martin Serrano, NUIG; Sachin Sharma, Technological University Dublin; Marco Ruffini, Trinity College Dublin & Ivan Seskar, Rutgers University; Novella Bartolini, Sapienza University of Rome; Georgios Karystinos, Technical University of Crete;</i>
18:10 - 18:25	Interactive Q&A Session
18:25 - 18:30	Wrap up - End of Session

NGIatlantic.eu: bridging EU-US research on NGI

From January 2020 through end December 2022, NGIatlantic.eu will fund EU-based researchers and innovators to carry out **Next Generation Internet** related experiments in collaboration with **US research teams**.

- 5 Open Calls for Proposals, with a total € 2.8 Million Euros budget for EU participants.
- The US National Science Foundation has established a dedicated supplemental fund [NSF US-EU DCL 21-048](#) for existing US NSF grantees to team up with NGIatlantic.eu partners.
- 5/5 open calls completed – 5th call projects starting 1st July 2022



Purpose and Format of session

- Since the start of the project, there have been over thirty EU – US projects funded since 2020 in topics related to the development of a next generation human – centric Internet. Topics include:
 - Experimental Platforms
 - Privacy and trust enhancing technologies
 - Decentralised data governance
 - Discovery and identification technologies
 - Strengthening internet trustworthiness with electronic identities
 - Service and data portability
 - Open Internet architecture renovation
 - Green and Sustainable Internet
- Interactive session with the panellists highlighting key areas about the opportunities offered by transatlantic cooperation in their projects, key achievements, and benefits to their target audiences and society as a result of the awarding of their projects by NGIatlantic.eu.
- Panellists will provide a brief opening statement about their project, and asked interactive questions by the co-chairs and the audience.

“Dear Colleague Letter” for existing NSF grant holders

- **NSF US-EU DCL 21-048** – a new dedicated supplemental fund for existing US NSF grantees to team up with NGIatlantic.eu partners, if they are in successful NGIatlantic.eu applications.
- Open to **active NSF-funded researchers** within NSF's **Computer and Network Systems Core** and **Secure and Trustworthy Cyberspace** programs;
- Funding available for NSF grantee of up to \$100,000 or 20% of original grant budget for max duration of one year (**n.b.** the duration must fall within the period of their existing NSF grant period);
- Proposers still have to explain how their US partners will fund their activities (independently from the DCL) and the proposals will be evaluated and selected based only on this information. US partners have to commit to their work even if they finally do not receive their funding through the DCL;
- All supplemental funding requests subject to NSF's merit review process.

Today's speakers:

#IoTWeek 20-23 JUNE, 2022 NGIatlantic results showcase



David Kennedy,
Eurescom



Deepankar Medhi,
US National Science
Foundation



Nicolas Nicolaou,
Algolysis Ltd



Martin Serrano,
NUIG



Sachin Sharma,
Technological
University Dublin



Marco Ruffini,
Trinity College
Dublin



Ivan Seskar,
Rutgers
University



Novella Bartolini,
Sapienza University
of Rome



George Karystinos,
University of Crete



Nicolas
Nicolaou

ARES Experiment - 🇪🇺EU Team: Algolysis Ltd, Cyprus; 🇺🇸US Team: Pennsylvania State University, Pennsylvania



Martin
Serrano

BONSAI Experiment - 🇪🇺EU Team: National University of Ireland Galway; 🇺🇸US Team: NIST – US. Department of Commerce



Sachin
Sharma

ATLANTIC-eVISION: Cross-Atlantic Experimental Validation of Intelligent SDN-controlled IoT Networks Experiment - 🇪🇺EU Team: TU Dublin, UCD, Ireland; 🇺🇸US Team: University of Nebraska, Lincoln



Marco
Ruffini

Integrating OpenIreland and COSMOS testbeds for delivering a cross-Atlantic Open Networking Solution Experiment - 🇪🇺EU Team: Trinity College Dublin, Ireland; Polytechnic University of Milan, Italy; 🇺🇸US Team: University of Arizona, Arizona; Rutgers University, New Jersey



Ivan
Seskar

Vulnerability Assessment & Robust Defenses for Optimized Attacks in Dynamic SDNs Experiment - 🇪🇺EU Team: La Sapienza University of Rome, Italy; 🇺🇸US Team: Pennsylvania State University, Pennsylvania



Novella
Bartolini

Secure communication based on robust 3D localization Experiment - 🇪🇺EU Team: Technical University of Crete; 🇺🇸US Team: Florida Atlantic University



George
Karystinos

Thank you!

Questions? Contact us:

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Let's keep in touch!



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