



In cooperation with the organization committee of the 10th International Conference on Network of the Future (NoF), the IRTF Network Management Research Group (NMRG) invites authors to submit contributions to a demo session in the area of Intent Based Networking (IBN), with an emphasis on prototypes, practical experiences but also work-in-progress towards designing and implementing IBN enablers and solutions. Intents define the operation objectives of networks without actually defining what operations to perform to reach them. This particular session aims at providing a venue for researchers, professionals and students to discuss their work, share their experience and stimulate collaborations. In particular, it aims at consolidating the research community of IBN and also promoting (pre-)standardization opportunities through the NMRG, which is currently defining a roadmap for IBN where all contributions and proposals are welcome to refine it. All accepted papers will be published in NoF conference proceedings.

Below is a non-exhaustive list of topics

- Intent expression, models and grammars
- Functional architectures for Intents
- Intent interpretation and translation into operational functions
- Life-cycle management of intents
- Interoperability
- Machine learning and artificial intelligence for Intents
- Monitoring and verification of Intent realization
- Applications for specific use cases or environments
- Simulation/emulation environments
- Intent validation/normalization

This joint NMRG-NoF session will be colocated with NoF at the Engineering Faculty campus of the University of Rome La Sapienza, one of the oldest

universities in the world, founded by Pope Boniface VIII in 1303

Important dates

- **Paper submission: 18/09/19**
- **Notification of acceptance: 22/09/19**
- **Camera-Ready: 25/09/19**
- **Registration: 25/09/19**

Registration

- Full: 200 €
- 1-day: 150 €
- Included in NoF full registration

Submission guidelines

All demo proposals have to be submitted in a two-page format using IEEE 2-column using the following link:

<https://edas.info/newPaper.php?c=25836>

They will be evaluated based on the following criteria:

- Relevance to the IBN topic
- Significance of the practical contribution
- Potential Impact
- Clarity of the setup and scenario description

Co-chairs

Laurent Ciavaglia, Nokia, France

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Jérôme François, Inria, France