

FWF Der Wissenschaftsfonds
Haus der Forschung
Sensengasse 1
1090 Wien
Österreich

Fakultät IV |
Elektrotechnik und Informatik
Institut für
Telekommunikationssysteme

Fachgebiet Internet Architecture
and Management

Fachgebietsleitung
Prof. Dr. Stefan Schmid

Sekretariat EN 18 Raum EN 132
Einsteinufer 17
10587 Berlin

Telefon +49 (0)30 314-75169
Telefax +49 (0)30 314-78550
stefan.schmid@tu-berlin.de

Berlin, 6 March 2023

Support Letter for LORESAN

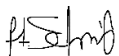
To whom it may concern:

With this letter I want to express my strongest possible support for the FWF project proposal LORESAN by Radu Iosif and Florian Zuleger.

Distributed and networked systems form the backbone of our digital society, and their correct and dependable operation is hence critical. The increasing scale and complexity of these systems, as well as the trend toward more dynamic and reconfigurable operations, demand for automated and computer-aided solutions. The project is hence timely and the objectives important. The project is also very innovative in its methodology, and I see much potential for the proposed resource-based configuration logic approach, leveraging automatic amortized resource analysis, lazy evaluation, and probabilistic programming.

The project and approach is also particularly interesting for my ERC consolidator project on self-adjusting networks, which deals with reconfigurability in datacenters. I am hence keen to support this project also from a technical side, by providing inputs to the use cases related to verifiable datacenters and data structures, and expect cross-fertilization.

Given the expertise and track record of Iosif and Zuleger, I am convinced that this challenging project will be successful, and would be excited to collaborate with the principle investigators of LORDS.



Prof. Dr. Stefan Schmid