

CALL FOR PROPOSALS

EFFECTS OF 5G-TECHNOLOGY ON SOCIETY AND ENVIRONMENT

Since its erection in 1979, the Alcatel-Lucent Foundation has promoted "research on technical and economic developments and communication perspectives". In the near future, 5G technology will not only change the way individuals communicate, but will have a fundamental impact on all areas of our society - work, leisure, information flows, mobility, nutrition and many others. For the global challenges of our time - global warming, resource use and distribution, overpopulation and migration, biodiversity, to name but a few - this new technology can mean above all opportunity.

E.g. Nokia, successor company of Alcatel-Lucent, recognizes the imperative to take action and do more to limit global warming to 1.5°C: "Connectivity, and in particular 5G and its accompanying technologies like AI/ML will be essential tools to ensure that the 1.5°C scenario is achievable, enabling smarter processes, smarter use of resources and better energy efficiency for all businesses."

Against this background, the Alcatel-Lucent Foundation is calling for research proposals of up to

100.000 € PER PROJECT

for a maximum duration of 1½ years each. A total of up to three projects will be supported.

The funds are meant

- » to develop scientifically sound ideas on how 5G connectivity platform can be used to meet societal and environmental challenges, or
- » to assess the economic, social or environmental consequences of the introduction of 5G.

The call for proposals is deliberately designed as a broad ideas competition in order to support as diverse and innovative research projects as possible.

Universities and independent research institutes are eligible to apply as long as they are exempt under tax law. Non-exempted institutes can only be supported as part of cooperation projects. Personnel, material and travel expenses can be applied for. Flat-rate overheads are not covered.

Decision criteria are primarily the project's originality and innovativeness, the validity of its methodology and the assessment as to whether the objectives set can be achieved within time.

The required documents are to be sent in pdf format by e-mail to

Alcatel-Lucent-Stiftung für Kommunikationsforschung

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UNTIL MAY 15, 2020.

Application documents (15 pages maximum) should include

- » a summary of the state of research,
- » a clearly formulated objective,
- » detailed descriptions of the methodology,
- » work and time schedules,
- » a short (!) list of the applicant's main publications relevant to the project,
- » brief (!) descriptions of the scientific careers of all applicants, and
- » a breakdown of requested funds by time and purpose.

Applications can only be considered if they are complete.

The Foundation's Board of Trustees decides on the allocation of research funds.

Legal action against the decision of the Board of Trustees is excluded.

