Max-Planck-Institut für Intelligente Systeme

Job-Titel:
Internship on Intelligent Fiber Sensor Project- MPI Tübingen

Job-Beschreibung
The MPI-IS Tübingen is offering a paid internship in a project on machine learning enabled fiber optic sensor conducted by a multidisciplinary team of researchers. The successful candidate will work in the Optics & Sensing Laboratory (Tübingen site: https://is.mpg.de/en/optics-sensing-laboratory) and closely with researchers in the Department of Haptic Intelligence (Stuttgart site: https://hi.is.mpg.de/).

The research team consists of expertise in mechanical design and manufacturing, machine learning, and quantum optics. The project aims at designing, building, and testing a novel shape sensor based on quantum dots embedded in an optical fiber and machine learning used for signal processing.

The position is available starting from June 2020, for a period of 4-6 months (part-time/full-time) and will be open until filled.

Useful qualifications:
Experience in at least one of the following fields:
- Machine learning techniques
- Deep neural networks
- Signal processing
- Optics and laser spectroscopy
- Quantum dots

Strong analytical and problem-solving skills
Excellent English skills (oral and written)
Excellent communication, organizational and interpersonal skills
Ability to work in a team
Desire to learn and contribute to project goals

The Max Planck Society seeks to increase the number of women in areas where they are underrepresented and therefore explicitly encourages women to apply. The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply. The Max Planck Society strives for gender equality and diversity.

To apply for this position, please send 1) cover letter, 2) curriculum vitae, and 3) name and contact information of possible references, to Dr. Valentin Volchkov at valentin.volchkov@tuebingen.mpg.de. Questions about this position may also be directed to Dr. Volchkov by email.

Anforderungsprofil
Experience in at least one of the following fields:
- Machine learning techniques
- Deep neural networks
- Signal processing
- Optics and laser spectroscopy
- Quantum dots

Strong analytical and problem-solving skills
Excellent English skills (oral and written)

Kontakt
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<td>Max-Planck-Institut für Intelligente Systeme 4, 72076 Tübingen, Deutschland</td>
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<td>Art der Beschäftigung</td>
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<td>Firmenname:</td>
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