Stanford



Didem Dede

Postdoctoral Scholar, Materials Science and Engineering

Bio

PROFESSIONAL EDUCATION

- PhD, École Polytechnique Fédérale de Lausanne (EPFL) , Materials Science and Engineering (2024)
- MSc, Bilkent University, National Nanotechnology Research Center , Materials Science (2018)
- BSc, Middle East Technical University , Metallurgical and Materials Engineering (2016)

STANFORD ADVISORS

- Paul McIntyre, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Selective-Area Deposition of Indium and Its Plasmonic Properties** *ACS APPLIED OPTICAL MATERIALS*
  Dede, D., Akerboom, E., Brondolin, R., Veeken, T., Hagger, T., Lemerle, R., Alarcon Llado, E., Piazza, V., Carter, W., Polman, A., Fontcuberta I Morral, A.
  2025
- **Multi-V_T in Oxide--Semiconductor Transistors Leveraging Sub-1-nm Dipoles for Low-Refresh Energy Gain Cell Memory** *IEEE TRANSACTIONS ON ELECTRON DEVICES*
  Athena, F., Kang, J., Passlack, M., Safron, N., Dede, D., Jana, K., Saini, B., Wang, X., Liu, S., Hartanto, J., Boneh, E., Chen, H., Huang, et al
  2025
- **Single Photon Emitters in Thin GaAsN Nanowire Tubes Grown on Si** *ACS NANO*
  Denis, N., Sharma, A., Dede, D., Nurmamytov, T., Cianci, S., Santangeli, F., Felici, M., Boureau, V., Polimeni, A., Rubini, S., Morral, A., De Luca, M.
  2025