



Dr. Alexandre DAZZI

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Dr. Dazzi does research focused on the infrared domain and teaches Nanoscience at the Université Paris-Sud. He has a physics background with a focus on optics and near-field techniques. He obtained his PhD in 1998 at the Université de Dijon with P.Jullien, after which he took a post-doctoral position at the Centre de Recherche Paul Pascal at Bordeaux

with F. Argoul. In 2000 Dr. Dazzi became took an associate professor position at the CLIO FEL facility directed by J.M. Ortega, where he worked on near-field techniques in the infrared region. After developing and using infrared SNOM Dr. Dazzi moved on to successfully developing an original photothermal technique employing an AFM to do infrared spectroscopy on a nanometric scale. This technique is now patented (US11/803421) and is employed by users of the CLIO facility. Dr. Dazzi is now working to adapt this device to work in liquids and at regulated temperatures so that it will be better suited to microbiological studies.