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'Best paper' award for **UCy-Kios researcher**

performance of optical networks which could universities and industry. potentially reduce the operational and capital expenditure for telecommunication network emerging topics in the areas of optical providers.

high-quality research which is being networks, photonic integrated networks, as undertaken Cyprus, international visibility and recognition for developments in optical networks. The the research performed in the field of award-winning paper addresses the critical information and technologies (ICT) and in particular in the optical networks. In such networks localising area of Critical Infrastructure Systems.

The award winning paper entitled "A Probabilistic Approach Failure

The 'best paper' award was given at a International Conference on Optical Network using monitoring data. The mean time to major international scientific conference to Design and Modeling (ONDM) in Budapest, repair (MTTR) the failures can vary from the KIOS Research and Innovation Centre of Hungary. This IEEE conference addresses several hours to days depending on where Excellence researcher Dr Tania Panayiotou cutting-edge research in established areas the failure actually occurred. Reducing the and her Cyprus-based collaborators. The attracting significant interest from several MTTR is of critical importance as network paper presented research to improve the international leading research centers from failures may severely affect the network

The conference focuses on novel and disruption. networking, optical systems and optical This award demonstrates and proves the network architectures, wireless optical providing well as control and management communications problem of fault localisation in transparent failures, etc.) is not trivial. Usually, upon a KIOS Research and Innovation Center of failure incident, network technicians are Excellence). Localisation" was presented at the 21th IEEE called for real-time localisation of the failure

availability and can cause severe service

The research was a joint effort and the award winning team includes Dr Tania Panayiotou, Dr Sotirios Chatzis (Assistant Professor, Department of Electrical Engineering, Computer Engineering, and Informatics at the Cyprus University of Technology), and Dr Georgios Ellinas (Associate Professor, Department of Electrical and Computer Engineering at the network failures (i.e., fiber cuts, equipment University of Cyprus, Faculty member of

