Erbium-Doped Waveguide-Amplifiers : Performance and Applications

Denis BARBIER
Teem Photonics – 13 chemin du vieux chêne – 38246 Meylan / France
d.barbier@teemphotronics.com

Abstract
Despite the fact that EDWA (Erbium Doped Waveguide Amplifier) are now commercially available, there are still significant scientific and design activities involved in their development. After a review of their current performance and typical applications, I will describe their potential and their limitations and compare the different technologies involved.