Mitral regurgitation (MR) is a common contributor to heart failure. Functional regurgitation occurs when the left ventricle is enlarged thus displacing the papillary muscles and stretching the mitral valve annulus, while the leaflets may be still intact (secondary MR). For symptomatic patients with severe secondary MR surgical repair is an option which may be limited by the patient’s overall condition. Prof. Pfeiffer will talk about interventional (catheter-based) mitral annuloplasty including a novel approach (Carillon® device) and discuss his experience in the field.