

## The Chi-Chi (Taiwan) Earthquake -Earthquake Fault and Strong Motions-

# Toru Ouchi[1], aiming lin[2], Tadashi Maruyama[3], Allen Chen[4]

[1] Research Center for Urban Safety and Security, Kobe University, [2] Institute of Geosciences, Shizuoka Univ, [3] Institute of Geosciences, Shizuoka Univ., [4] Appl. Geophys.Inst., Taiwan Ocean Univ

We report the results of the field survey conducted from Nov.28 to Dec.8 on the Chelungpu surface rupture zone and damage related with the Chi-Chi (Taiwan) earthquake. Features of damage of this earthquake are classified into the following three main types: (1) Damage line due to large displacement just on the surface rupture zone; (2) Wide spread spots or patches of demolished areas that might be attributed to localized heavy strong motions; (3) Damage in remote regions as in Taipei due to anomalously amplified strong ground motions. The surface ruptures appeared almost along the Chelungpu active fault. We also found some evidence that indicates large buildings might have affected the rupture process on the surface.