1. yoshiyuki.inaguma

Materials and Structure Laboratory, Tokyo Institute of Technology , 4259 Nagatsuta, Yokohama, 226-8503, Japan

e-mail : yoshiyuki.inaguma@gakushuin.ac.jp

**…………………………………………………………………………………**

2. Tetsuro Nakamura

Department of Applied Chemistry, Faculty of Engineering, Utsunomiya University , 2753 IshiiCho, Utsunomiya, 321-8585, Japan .

Email : tetsuro@japanlaw.co.jp

**…………………………………………………………………………………..**

3. Outzourit abdlkader

Departement : physic

Institution : Faculté des sciences smelalia-Marrekech MOROCCO

e-mail: aoutzour@ucam.ac.ma