

# Class for Graduate Students 2017 “Design of Structures and Theory of Generalized Inverse”

(The class will be held in English)

by Prof. Ken'ichi Kawaguchi

Term I, II : 18<sup>th</sup> April (Tue.)–

Time : 13:30 – 16:55

Place : As301+302 at

Komaba Research Campus

Schedule:

April 18 th (Tue)	Arches and the Thrust line theory
25th (Tue)	Large roof structures in earthquake and Snow, Collapse of ceilings
May 2nd (Tue)	Terror attack to World Trade Center in 2001.9.11., Olympic and FIFA World Cup stadia
9th (Tue)	Tensegrity: Tensegrity Workshop
23th (Tue)	Generalized Inverse I: Fundamental of linear algebra, Indeterminacy and Inconsistency, Pseudo-inverse, Minimum-norm and Least squares.
30th (Tue)	Generalized Inverse II: Rank factorization and G-inverse
June 6th (Tue)	Generalized Inverse III Numerical computation of G-inverse and G-inverse applied to structural analysis