Yang Yang

Institute of scientific and technical information of China, Beijing, China, 100038 E-mail address: youngsun@istic.ac.cn(Y.Yang).

Tel.:+86 10 58882016, fax: +86 10 58882015

Yang Yang is a research associate at Institute of scientific and technical information of China in the area of science and technology studies. His main fields of research include system dynamic modeling, and scientific and technical policy.

Hefeng Tong

Institute of scientific and technical information of China, Beijing, China, 100038 E-mail address:

thf2003@istic.ac.cn

Tel.:+86 10 58882109, fax: +86 10 58882015

Hefeng Tong is a professor at Institute of scientific and technical information of China in the area of science and technology studies. His main fields of research include system dynamic modeling, and science and technology evaluation.

Xu Zhang

Institute of scientific and technical information of China, Beijing, China, 100038 E-mail address:

zhangx@istic.ac.cn

Tel.:+86 10 58882108, fax: +86 10 58882015

Xu Zhang is a professor at Institute of scientific and technical information of China. Currently he is the director of centre for science and technology studies. His research interest includes science and technology policy and patent analysis.