

Permission to Quote/Reproduce Copyrighted Material

I (We), Linda Wilson, on behalf of the Semiconductor Industry Association (SIA), owner(s) of
International Technology Roadmap for Semiconductors, (ITRS)

the copyright to the work identified below hereby authorize Sheng Huang Lee
student's name

to use the following material as part of his/her doctoral dissertation to be submitted to Iowa State University. I
(We)

extend this authorization to ProQuest/UMI, Ann Arbor, Michigan, for the purposes of reproducing and
distributing single microform, digital, or printed copies of the thesis or dissertation on demand for scholarly uses.

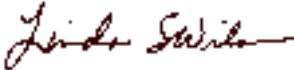
Title of work: System Drivers (2009 chapter and 2010 updated figures)

Name of publication and volume
number: International Technology Roadmap for Semiconductors

Inclusive page numbers: System Driver 2009 (p. 5, 26) and System Driver Chapter 2010 Updates (p. 6)

Inclusive figures: System Driver 2009 (Figure SYSD2, Figure SYSD13)

System Driver Chapter 2010 Updates (Figure SYSD11)



Signature of publisher

April 20, 2011

Date