

10958 Chalet Court
St. Louis, Missouri 63141

December 2, 2011

Grant E. Carichner, Ph.D.

Dear Dr. Carichner:

This letter will confirm our recent email conversation. I am completing a doctoral dissertation at University of Missouri - St. Louis entitled "Elementary Teachers' Mental Models of Engineering Design Processes: A Comparison of Two Communities of Practice" I would like your permission to reprint in my dissertation the attached graphic from the following:

Nicolai, L. M., & Carichner, G. E. (2010). *Fundamentals of aircraft and airship design* (Vol. I -- Aircraft Design). Reston, VA: American Institute of Aeronautics and Astronautics.

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If these arrangements meet with your approval, please sign this letter where indicated below, scan it into an attachment, and return it to me via email. Thank you very much.

Sincerely,

Ann P. McMahon

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Grant E. Carichner, Ph.D.

Date: 12/5/2011