

Jon-Michael Hardin

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EDUCATION **Doctor of Philosophy**

Jon-Michael Hardin

Curriculum/Course Development: (continued)

- **Fiber-Reinforced Composites (ME489):**
Developed and introduced into the ME curriculum a fiber-reinforced composites design course. The course includes composite design theory and student design and fabrication of a fiber-reinforced composite structure (for example, a snowboard during the Spring 2000 seme

1989 - 1991

Research Assistant

Department of Mechanical Engineering

University of South Carolina, Columbia, South Carolina

- Developed a non-contact method, using digital vision and computer data correlation, for determining strains in high-temperature material applications.

1982 - 1989

Engineer

R. J. Reynolds Tobacco Company

Winston-Salem, North Carolina

o Engineer II, 1984 - 1989

Corporate Production Engineering Department

Held company-wide responsibility for all scheduling, budgeting, purchasing, and technical aspects for all casepacking/robotic palletizing complexes:

- Scheduled all company-wide resources and personnel for equipment purchase, delivery, installation, and start-up of 144 casepacking/robotic palletizing complexes in a new manufacturing facility.
- Coordinated equipment delivery, installation, and start-up schedules with other departments, such as Promotions, Production, Manufacturing, Electrical, and Maintenance.
- Developed and prepared all budgets, purchase orders, and technical specifications for all casepacking/robotic palletizing complexes.
- Principal liaison between RJ Reynolds and equipment vendor for all scheduling and technical aspects for equipment purchase, delivery, installation, start-up, and continuing production.
- Provided on-sight supervision and technical assistance to mechanics and electricians for equipment installation and for trouble-shooting of equipment problems in continuing production.

Jon-Michael Hardin

o Engineer II, 1984 – 1989 (continued)

- Designed and tested equipment and component modifications.
 - Developed and implemented extensive company-wide technical training programs for equipment operators and mechanics.
- o **Engineer I**, 1982 - 1984
Whitaker Park Manufacturing Facility
- Supervised and assisted mechanics and electricians in installation, trouble-shooting, and modifications of process and manufacturing equipment.
 - Designed and tested equipment and component modifications of process and manufacturing equipment.
 - Developed and implemented a company-wide preventative maintenance program for all manufacturing equipment.
 - Developed equipment and support facility lay-out for major plant renovation.

HONORS AND AWARDS

- o Awarded the *J. O. Smith Teaching Award* for excellence in teaching, University of Illinois at Urbana-Champaign, 1996.
- o Elected to the campus-wide *List of Teachers Ranked as Excellent by Their Students* for each semester course I taught at the University of Illinois at Urbana-Champaign.

REFERENCES

- o **Dr. Timothy Hodges**
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- Jon-Michael Hardin**

REFERENCES (continued)

- o **Dr. Howard Arthur**

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- o **Dr. Amit Acharya**
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