



CURRICULUM VITAE  
**DON LEE, P.E.**  
[info@enginst.org](mailto:info@enginst.org)

**AREAS OF EXPERTISE**

- Radial Tire Design, Manufacturing and Engineering
- Tire Failure Analysis and Forensic Engineering
- Finite Element Analysis on Tire Failure

**PROFESSIONAL EDUCATION**

M.S., Mechanical Design and Production Engineering, Hanyang University Graduate School, Seoul, South Korea, 1990  
 B.S., Mechanical Design and Production Engineering, Hanyang University, Seoul, South Korea, 1988

**PROFESSIONAL EXPERIENCE**

- 2009 - Present    Senior Engineer, The Engineering Institute, Farmington, Arkansas
- 2007 - 2009      Chief Engineer, Director of Tire Design and Engineering, Q Tires, Inc., Greenville, South Carolina  
 Development and Manufacturing for Retractable Stud Tires
- 1998 - 2007      Principal Engineer, Hankook Tire Co., Ltd., Akron Technical Center, Akron, Ohio  
 Development of Light Truck/SUV Radial Tires for U.S. Replacement Market  
 Product Evaluation: Field and Indoor Testing  
 Manager OE Tire Development: **Ford F-150, E-350, Edge, Focus & Flex Tires**  
 Management of Co-Working Projects between Overseas Technical Centers
- 1990 - 1998      Senior Project Engineer, Hankook Tire Co., Ltd., Corporate R & D Center, Daejeon, S. Korea  
 Development of Medium Truck Radial Tires for North America, Europe and Asian Market  
 OE Tire Development for Korean Auto Makers  
 Structural Analysis by Finite Element Method (ABAQUS)
- 1988 – 1990      Teaching Assistant, Hanyang University Graduate School, Seoul, South Korea  
 Solid Mechanics  
 Experimental Stress Analysis

**LICENSES & CERTIFICATES**

Arkansas Professional Engineer #14961

**PATENTS**

- “Pneumatic Radial Tire” Patent No. KR 1005458890000
- “Automobile Pneumatic Tire” Patent No. KR 1001666790000
- “Pneumatic Radial Tire with Improved Bead Durability” Patent No. KR 1001666800000

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## PUBLICATIONS

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Morse, John , Batzer, Steve and Lee, D.Y. "Understanding Why Codes And Standards Fail" . " ASME International Mechanical Engineering Congress. Denver, CO, November 11-17, 2011. IMECE 2011-62037

Lee, Don Y., Han, Y. H. and Batzer, S. A.,. "Design Elements of Steel Belted Radial Tires to Improve Belt Durability." Hazard Information Foundation, Inc., 2010 Conference. Houston, Texas, August 13, 2010.

Lee, Don Y. "Introduction to Q Tires, Stud on Technology." ITEC. Akron, Ohio, September 2008.

Lee, Don Y. "A Shape Optimization of Plate Using Boundary Element Method." Hanyang University. Seoul, Korea, February 1990.

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## PROFESSIONAL DEVELOPMENT

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Languages: English, Korean and Primary Japanese

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## PROFESSIONAL ACTIVITIES & HONORS

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2009 The Tire Society

1996 The Society of Experimental Mechanics

1996 "Best Engineer of the Year," Hankook Tire Co., Ltd.

1995 "Most Creative Employee of the Year," Hankook Tire Co., Ltd.

NOT YET RETAINED