

Duong Tu Tien
duongtutien@gmail.com

Department of Engineering Mechanics,
Faculty of Civil Engineering,
Nha Trang University
02 Nguyen Dinh Chieu St., Nha Trang City, Vietnam

EDUCATION

Nha Trang University, Nha Trang, Vietnam
Ph.D. in Engineering, 2001-2005

Nha Trang University, Nha Trang, Vietnam
MSc. in Mechanical Engineering, 1997 - 2000
BS, Mechanical Engineer, 1990-1995

RESEARCH INTERESTS

- Mechanical and materials engineering;
- Nano engineering, composite, advance polymer materials
- Textile

RESEARCH EXPERIENCE

- *Research on influence fillers on mechanical and tribology properties of polyethylene composite*, supported by Nha Trang University, serial number: TR2000-33-22, 2001.2-2003.1
- *Research on manufacturing PA6/composite in order to make water lubricated stern tube bearings*, supported by Vietnam Ministry of Education, serial number: B2002-15-04, 2004.5-2006.3
- Analysis of the knife edge impact absorbing composite reinforced by textile structure, KRF-2007-D00007, Korea Research Foundation Grant funded by the Korean Government (MOEHRD, Basic Research Promotion Fund), 2007.11-2009.10
- Hi-tech Stab-Resisting material, product and development, Korea Institute of Industrial Technology, Ansan, Korea, 2007-2009, participant
- Manufacturing technology of the ultra light stab armor with the good air permeability, Korea Institute of Industrial Technology, Ansan, Korea, 2009 – 2011, participant

TEACHING RESPONSIBILITY

Undergraduate

Materials science, Engineering Materials, tribology

Graduate

New Materials for the Engineering
Materials selection for engineering design
Surface engineering

PUBLICATIONS and PRESENTATIONS

Journals

- 1) **Duong Tu Tien**, “Research on influence calcium carbonates on mechanical and tribology properties of polyethylene composite which will be used as material to made water lubricated stern tube bearings”, The Transportation journal, Viet Nam. January 2001.
- 2) **Duong Tu Tien**, “Research on influence graphite on mechanical and tribology properties of polyethylene composite Which will be used as material to made water lubricated stern tube bearings”, Vietnam Mechanical journal, Viet Nam, May 2001.
- 3) **Duong Tu Tien**, Nguyen Huu Nieu, “The variation of Nylon 6/Clay Nanocomposites's mechanical and physical properties during the heating process”, Fisheries Science and Technology journal of Nha Trang University, Vietnam, November 2004.
- 4) **Duong Tu Tien**, Nguyen Huu Nieu, “Studies on Nylon 6/Clay Nanocomposites by Melt-Intercalation Process”, Fisheries Science and Technology journal of Nha Trang Univerity, Viet Nam, January 2005.
- 5) **Duong Tu Tien**, Nguyen Huu Nieu, “Friction and wear of Nylon 6/Clay Nanocomposites”, Fisheries Science and Technology journal of Nha Trang Univerity, Viet Nam, February 2005.
- 6) Nguyen Huu Nieu, **Duong Tu Tien**, Nguyen Tien Cuong, Nguyen Hoang Duong, “Research into manufacturing PA6/Clay- Nanocomposite in order to make water lubricated stern tube bearings”, Journal Science and Technology for development, Viet Nam, Vol 14, No. K1, 2011.
- 7) **Duong Tu Tien**, Jong S. Kim, and You Huh, “Stab-resistant property of the fabrics woven with the aramid/cotton core-spun yarns, Journal of Fibers and Polymers, Vol. 11, No. 13, June 2010.
- 8) **Duong Tu Tien**, Jong S. Kim, and You Huh, “Evaluation of Anti-stabbing Performance of Fabric Layers Woven with Various Hybrid Yarns under Different Fabric Conditions, Journal of Fibers and Polymers, Vol. 12, No. 6, April 2011.
- 9) **Duong Tu Tien**, Yeon Sang Kim, Gi Soo Chung, “Stab Resistance of Woven and Nonwoven Aramid Fabric Composites, Journal of Textile Science and Engineering, Vol. 48, No. 4, June 2012.
- 10) **Duong Tu Tien**, “Microwave melting of the basalt rock and fiber spinning”, Fisheries Science and Technology journal of Nha Trang University, Viet Nam, No. 1, 2013

- 11) **Duong Tu Tien**, You Huh “Mechanical Characteristics of the Basalt Fabric Reinforced Preforms”, Science and Technology journal of Pham Van Dong University, Viet Nam, No. 2, 2013.
- 12) **Duong Tu Tien**, You Huh, “Stab Resistant of Woven Fabrics with Ultra-high-molecular-weight polyethylene (UHMWPE) filament yarn”, Journal of Science and Technology, Viet Nam Academy of Science and Technology, No. 5, 2013.

Presentations

1. Hee Won Yang, **Duong Tu Tien**, Kim H. J., You Huh, “The Effect of Knife-Edge Impact Resistance to the (Basalt) Fabric Reinforced Composite with Various Contact Point Densities”, Proceedings of the Korean textile conference, Vol 41, No.2, Seoul-Korea October 2008.
2. Hee Won Yang, **Duong Tu Tien**, Young Nam Paik, You Huh, “Mechanical Characteristics of the Basalt Fabric Reinforced Preforms”, Proceedings of 37th Textile Research Symposium, Daegu-Korea, August 2008
3. You Huh, **Duong Tu Tien**, and Jong S. Kim, “Stab Resistance of Woven Fabrics with Aramid Yarns”, 38th Textile Research Symposium, Fuji Institute of Education and Training, Japan, September 2009.
4. You Huh, **Duong Tu Tien**, and Jong S. Kim, “Anti-stabbing Properties of Woven Fabrics”, 10th Asian Textile Conference, Shinshu University, Ueda, Nagano, Japan, September 2009.
5. You Huh, **Duong Tu Tien**, and Gi Soo Jeong, “Anti-stab Performance of Compound Yarns Fabrics as Flexible Protection Material”, Proceedings of the Korean textile conference, Vol 43, No.1, Seoul-Korea, April 2010.
6. **Duong Tu Tien**, You Huh, Yeon Sang Kim, Gi Soo Chung, Nam Hee Kwon, “Stab Resistance of Woven and Nonwoven Aramid Fabrics Combination”, Proceedings of the Korean textile conference, Vol 43, No.2, Busan-Korea, October 2010.
7. **Duong Tu Tien**, You Huh, Yeon Sang Kim, Gi Soo Chung, Nam Hee Kwon, “Stab Resistance of Aramid Woven Fabrics”, Proceedings of the Korean textile conference, Vol 43, No.2, Busan-Korea, October 2010.
8. **Duong Tu Tien**, You Huh, Yeon Sang Kim, Gi Soo Chung, “Stab Resistant Properties of Ultra-high-molecular-weight polyethylene (UHMWPE) Woven Fabrics”, 11th Asian Textile Conference, Daegu-Korea, November 2011.
9. **Duong Tu Tien**, You Huh, Yeon Sang Kim, Gi Soo Chung, “Stab Resistance of Woven fabrics with aramid spun and filament yarns, 11th Asian Textile Conference, Daegu-Korea, November 2011.
10. **Duong Tu Tien**, Nguyen Huu Nieu, Nguyen Tien Cuong, Nguyen Hoang Duong, Research into manufacturing PA6/Clay- Nanocomposite in order to make water lubricated stern tube bearings”, The summary record of the 9th scientific and technological conference, Ho Chi Minh National University, Viet Nam, November 2005.

11. **Duong Tu Tien**, You Huh “Mechanical Characteristics of the Basalt Fabric Reinforced Preforms”, The 3th National Work Shop of Mechanic, Viet Nam, April. 2013.