

# BOOHYOUNG BANG

## PH.D. CANDIDATE AND RESEARCH ENGINEER FOR DAEWOO E&C

	<p><b>Solar Cell &amp; Aerosol Science Lab.</b>          Department of Mechanical Engineering          Korea University          5-Ga, Anam-dong, Seongbuk-gu, Seoul, Korea, 136-713          E-mail: <a href="mailto:bubung@korea.ac.kr">bubung@korea.ac.kr</a>  <a href="http://solarcellaerosol.korea.ac.kr">http://solarcellaerosol.korea.ac.kr</a></p>	<p><b>Disaster Prevention Research Team</b>          Daewoo Institute of Construction Technology          Daewoo E&amp;C          60, Songjuk-dong, Jangan-gu, Suwon-si, Korea, 440-210          E-mail: <a href="mailto:Boohyoung.Bang@daewoenc.com">Boohyoung.Bang@daewoenc.com</a></p>
---	---	---

## RESEARCH INTERESTS

- Combustion
- Gas explosion in petrochemical plant
- CFD
- Multi-phase flow
- Supersonic gas flow
- Safety and Environment

## EDUCATION

Doctor of Philosophy in Mechanical Engineering, Candidate  
*Korea University, Seoul, Korea*  
 Advisor: Prof. Sam S. Yoon

Master of Science in Mechanical Engineering, Aug. 2009 (4.0/4.5)  
*Korea University, Seoul, Korea*  
 Advisor: Prof. Sam S. Yoon

Senior Dissertation: Assessment of gas and liquid fluxes induced by liquid drop falling onto a smooth dry plate.

Bachelor of Science in Aerospace Engineering, Feb. 2006 (3.2/4.5)  
*Sejong University, Seoul, Korea*

## EMPLOYMENT

- 2013/Jun to Present: Research Engineer(CFD in onshore and offshore), Disaster Prevention Research Team, Daewoo Institute of Construction, Daewoo E&C.
- 2009/Oct to 2013/Jun: Research Engineer(CFD in mechanical and electric device), T&D Research Team, LS Institute of T&D, LSIS.

## PUBLICATIONS (\* corresponding author, †equal contribution)

### International Journal Papers

1. **B. H. Bang**, S. S. Yoon\*, H. Y. Kim, S. D. Heister, H. Park, S. C. James, “Assessment of gas and liquid velocities induced by an impacting liquid drop”, *International Journal of Multiphase Flow*, 2010.

**Proceeding/Conference Papers**

1. JinWook Joung, **Boo-Hyung Bang**, YoungMin Kim, MinOh Hwang, “Comparison of wind tunnel test and CFD simulation results for newly-proposed steel wind turbines”, **International Society of Offshore and Polar Engineers(ISOPE)**, Busan, Korea, June 15-20, 2014
2. **B. H. Bang**, Y. S. Lee, H. S. Ahn, J. U. Choi, S. W. Park, “A Study on Heat Transfer by Electric Arcs and Performance Prediction in Gas Circuit Breaker”, **World Scientific and Engineering Academy and Society (WSEAS)**, Paris, France, December 2-4, 2012.
3. **B. H. Bang**, H. S. Ahn, S. W. Park, “Numerical study of BTF interruption performance of SF6 gas circuit breaker”, **XIXth Symposium on Physics of Switching Arc (FSO)**, Brno, Czech Republic, Sep 5-9, 2011.
4. **B. H. Bang**, S. S. Yoon, H. Y. Kim, R. A. Jepsen, S. D. Heister, H. Park, S. C. James, “Assessment of gas and liquid fluxes induced by liquid drop falling onto a smooth dry plate”, **ILASS 2008**, Como Lake, Italy, Sep. 8-10, 2008.

**REFERENCE**

- Prof. Sam S. Yoon, Associate Professor of Department of Mechanical Engineering at Korea University, [skyoon@korea.ac.kr](mailto:skyoon@korea.ac.kr), 82-2-3290-3376.