

AeroAcoustics and Noise Control Lab.

공력소음 및 소음제어 연구실
Since 1995

Pf. Soogab Lee

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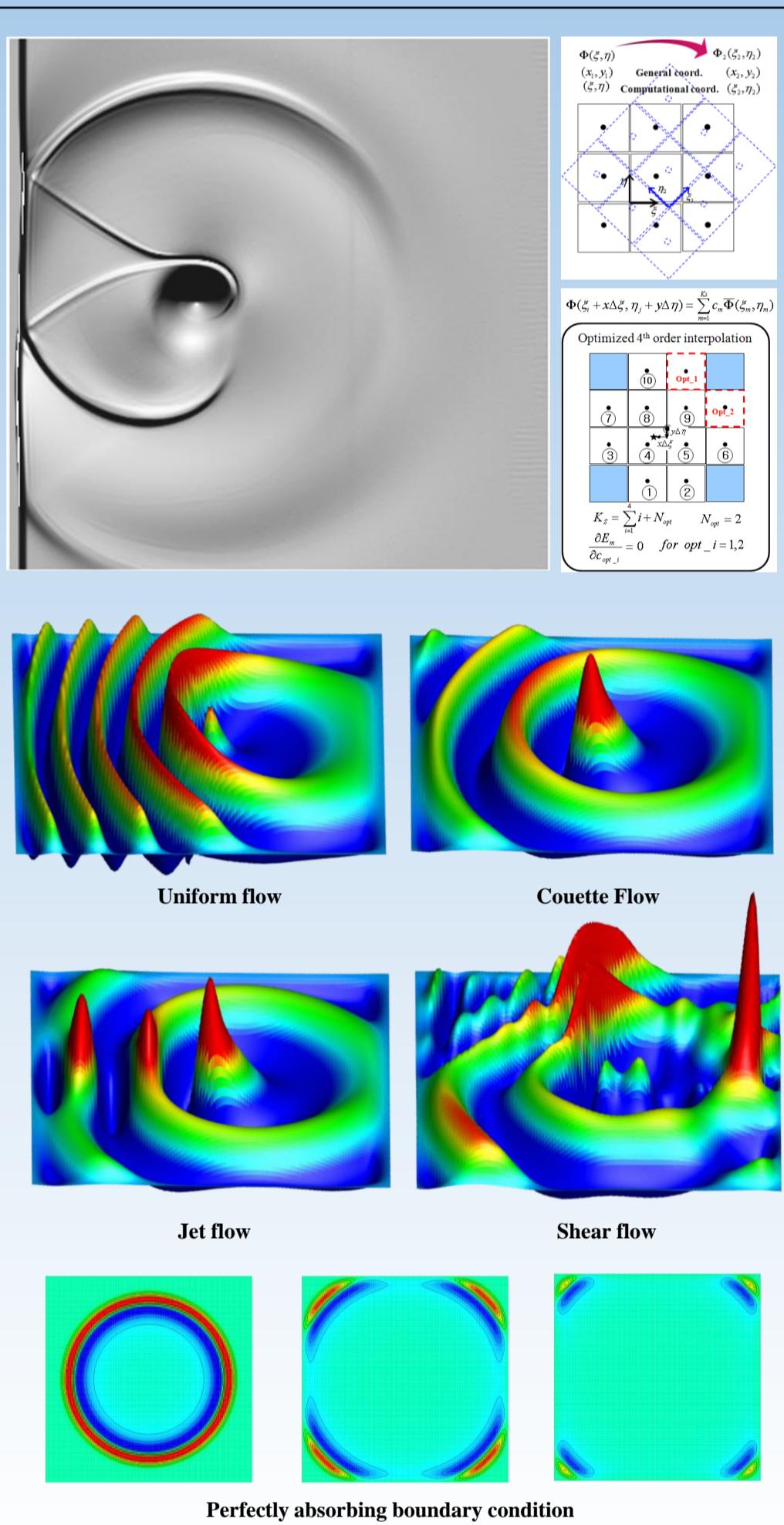
Profile

- B.S. Seoul Natl. Univ.
- M.S. Seoul Natl. Univ.
- Ph.D Stanford Univ.
- NASA, Ames Research Center, Research Scientist (1992~1995)
- Seoul Natl. Univ. Professor(1995~)

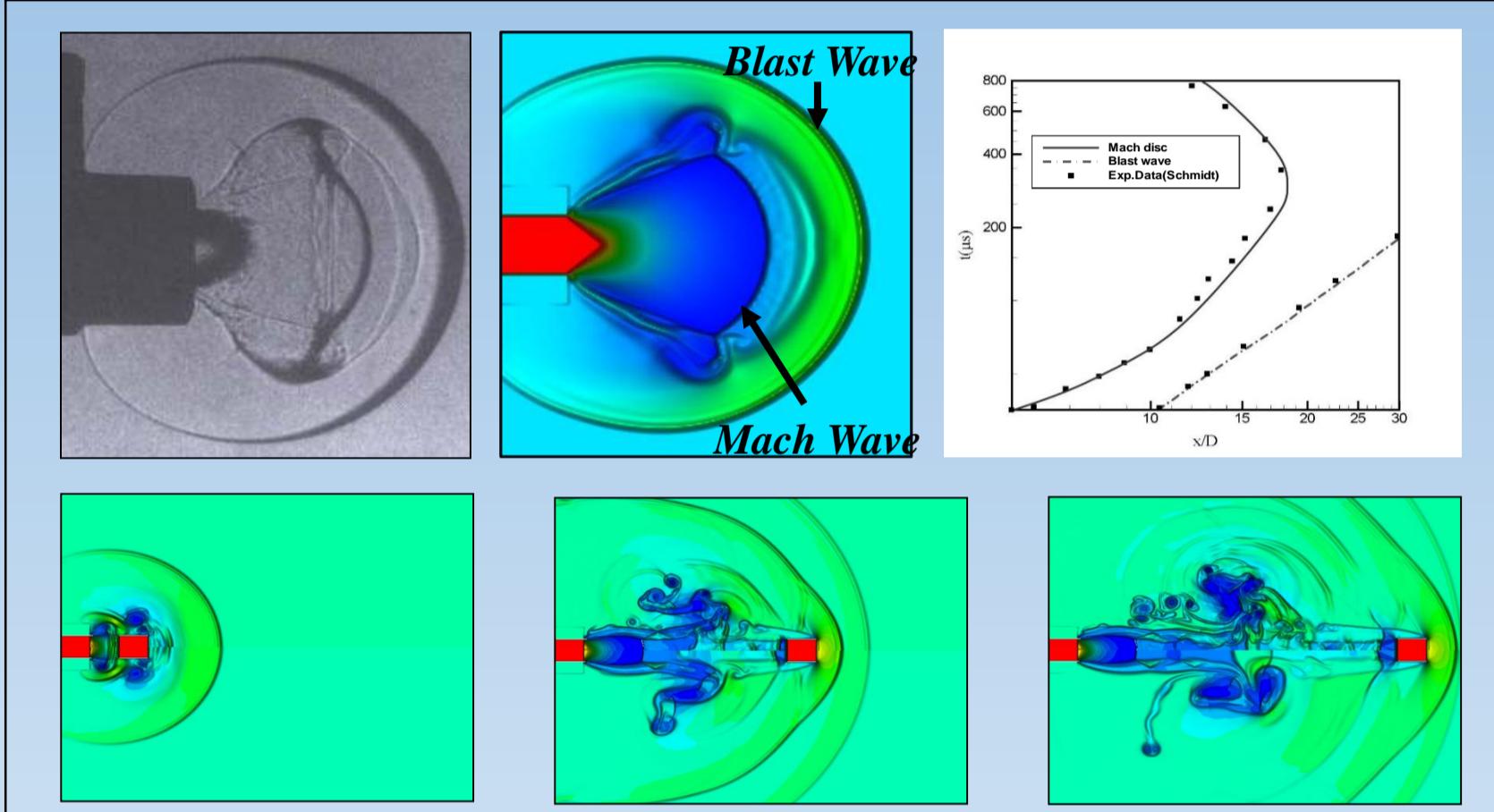


Computational Aeroacoustics

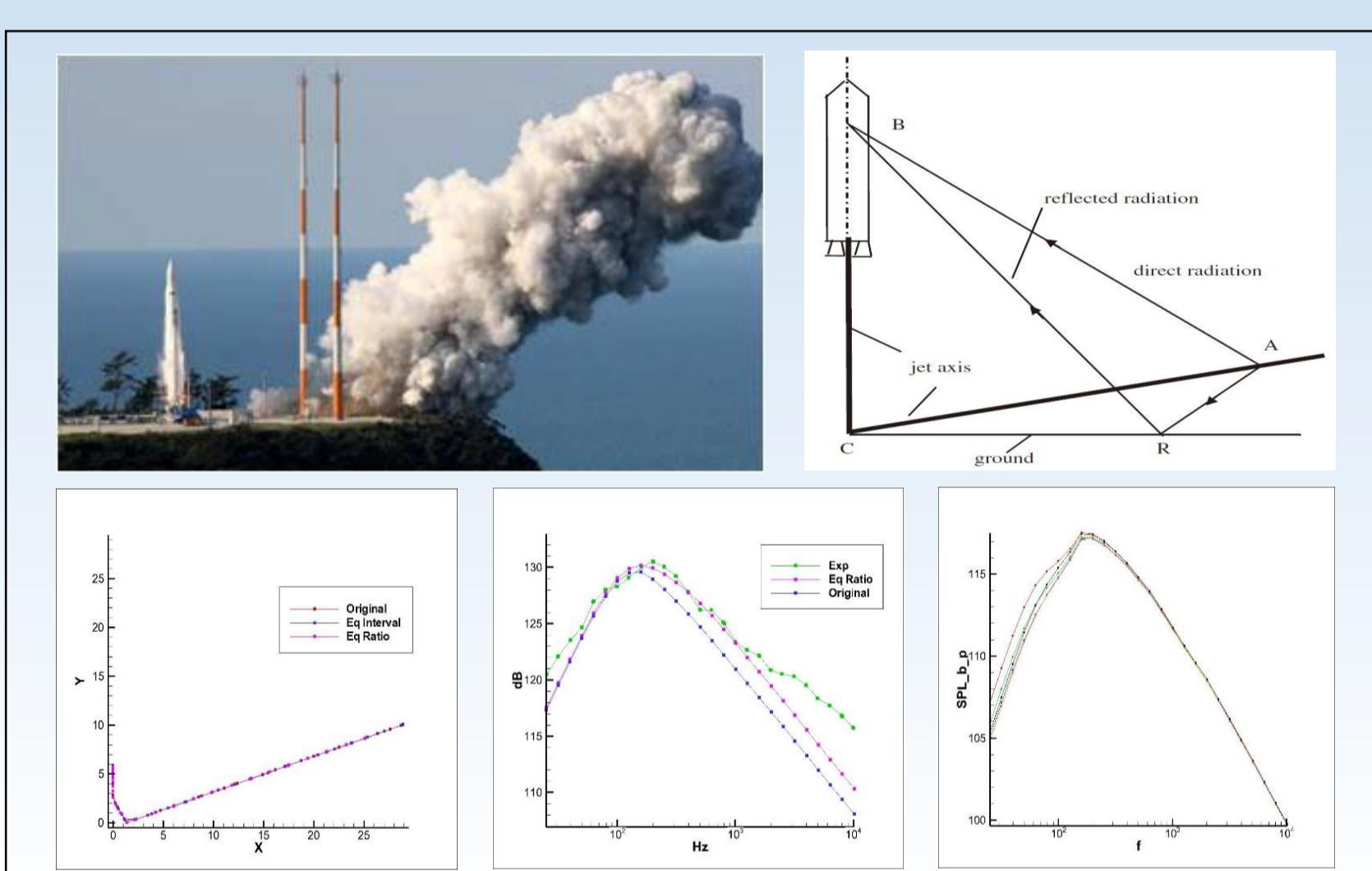
- CAA Numerical Scheme
 - High order optimized interpolation
 - Non-linear wave propagation



Impulsive Noise Analysis



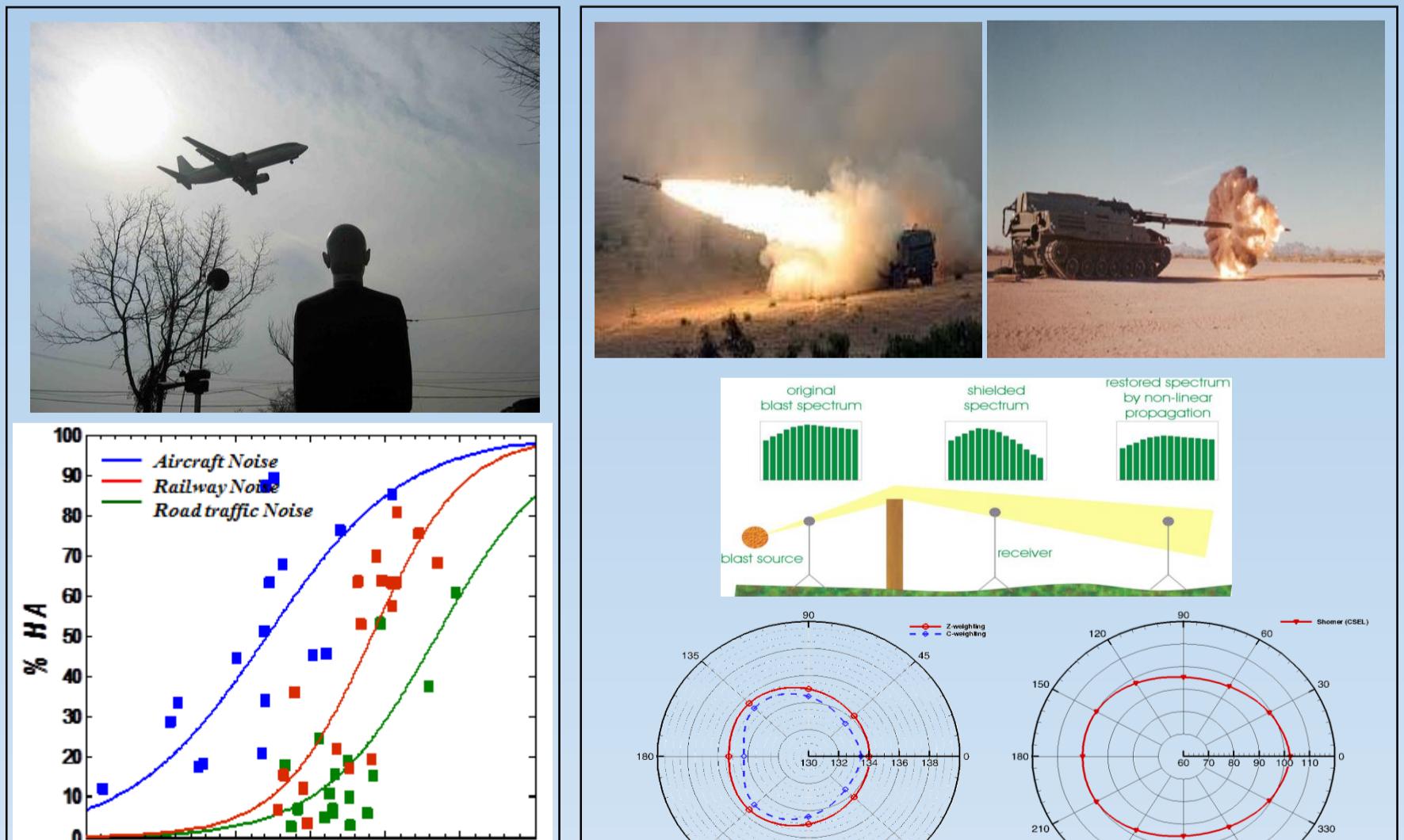
Acoustic Load of Launch Vehicles



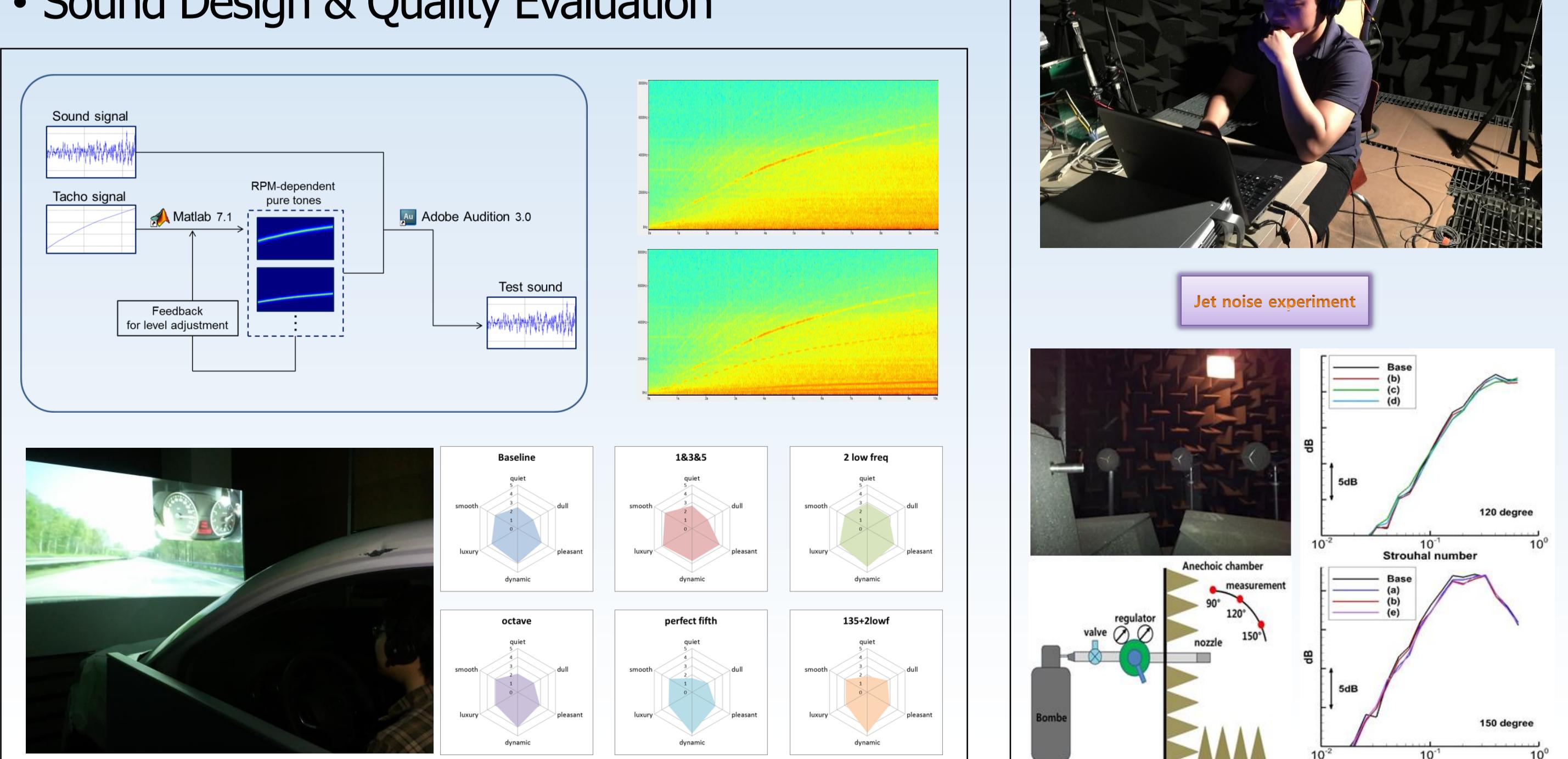
Environmental Noise Assessment

Environmental Noise Assessment

- Annoyance analysis
- Experimental validation



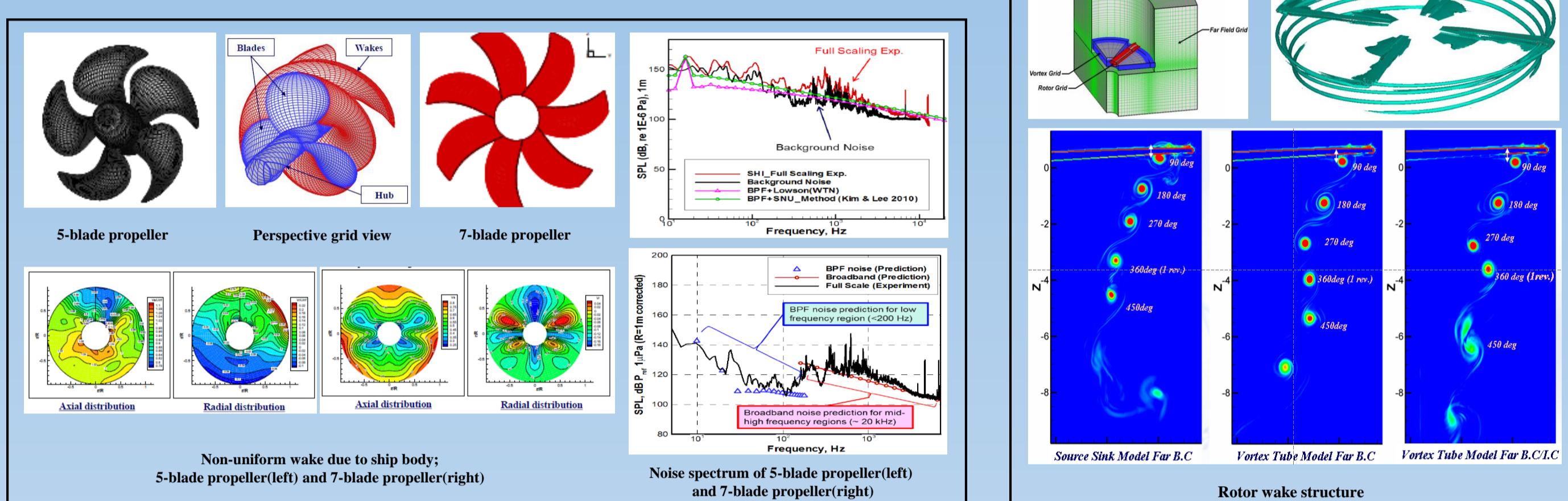
Sound Design & Quality Evaluation



Rotating Machinery Noise

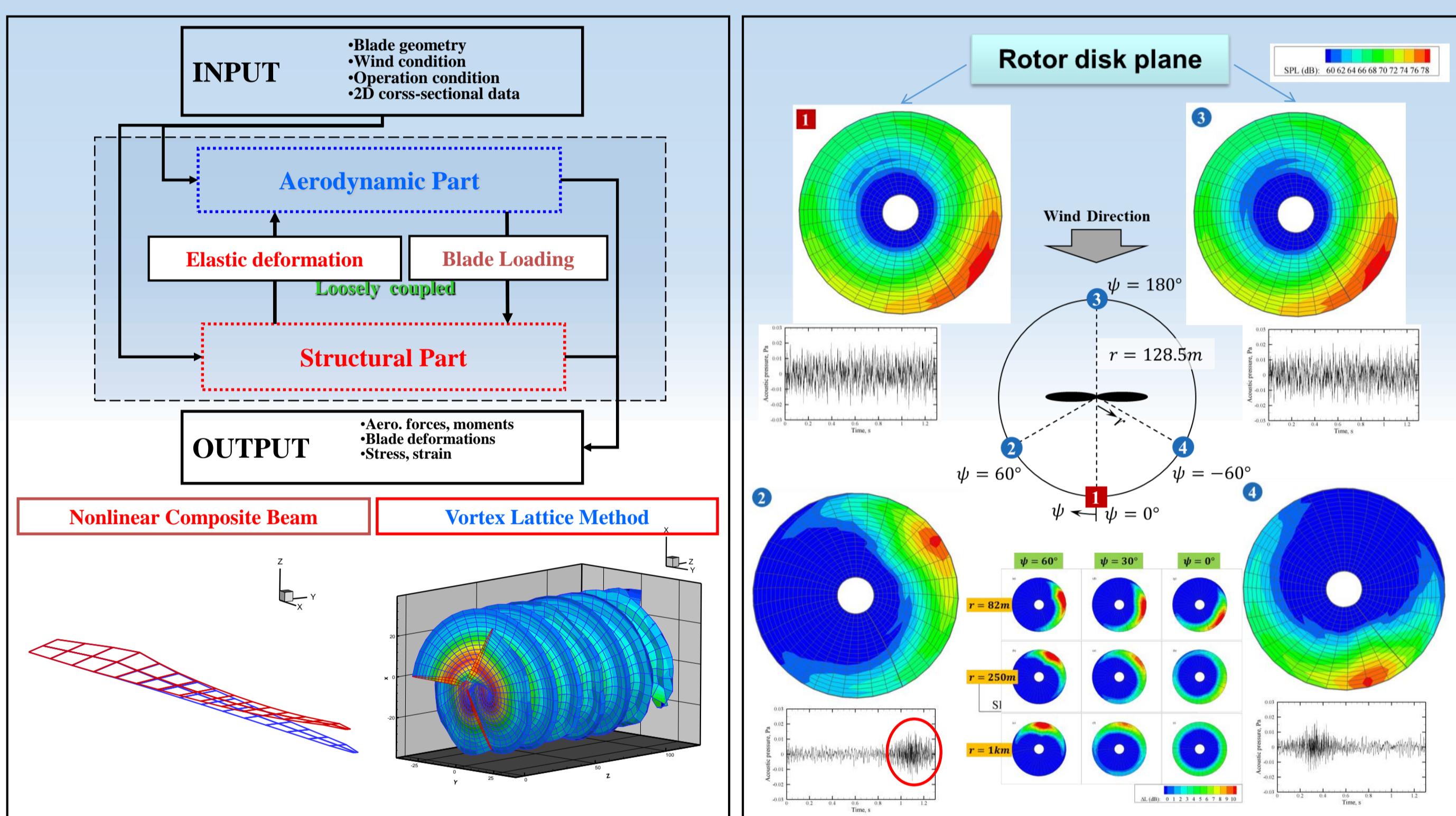
Rotor/ Propeller/ Compressor Aerodynamics & Noise

- Rotor flow analysis
- Tonal and Broadband Noise of Propellers

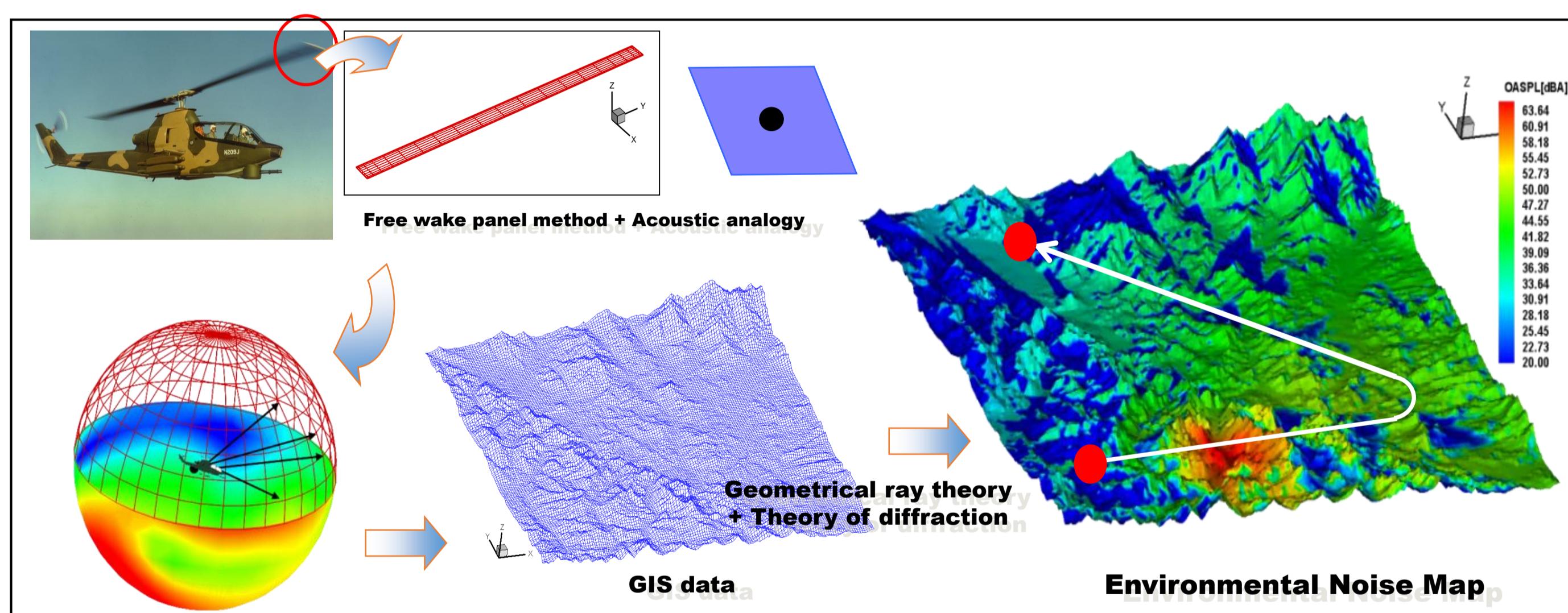


Wind Turbine Aerodynamics / Aero-elasticity and Noise

- Rotor flow analysis
- Tonal and Broadband Noise of Propellers



Noise Propagation Models



Alumni

University	Professor	KAIST, 부산대, 군산대, VPI (국외)
	Research fellow	Florida State Univ., Stanford Univ., Carnegie Mellon Univ., Virginia Polytechnic Institute.
Research Center		NASA, 항공우주연구원, 국방과학연구소, 에너지기술연구원, 한국해양연구소, 한국환경정책평가연구원, 철도기술연구원
Corporation		항공우주산업, 현대차, 기아차, 르노삼성, 두산중공업, 삼성중공업, 현대중공업, 삼성전자, LG전자, 삼성전기, 현대모비스, 한라공조, 삼성엔지니어링, 한화테크원
Government		국방부, 방위사업청, 국방품질원, 문화관광부

Contact

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