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| C:\Users\Lachesis\Desktop\eng_ui.jpgGwanak-ro 1  Gwanak-gu, Seoul, Republic of Korea  Email: bdyoun@snu.ac.kr  T: +82-2-880-1919 |  |

**Invitation for Research Faculty at System Health and Risk Management (SHRM) Laboratory in Seoul National University**

Applications are invited for two **research faculty** with expertise in vibration-based fault diagnostics, artificial intelligence, and engineering analysis at Seoul National University. The faculty will be working with national laboratories, university centers, and major firms (Samsung Electronics, Hyundai Motors, etc.).

**SHRM Research Topics:**

* Reliability engineering
* Reliability-based design
* Signal processing (machine learning, wavelet, etc.)
* Sensor manipulation
* Sensor network design
* Structural health monitoring
* Prognostics and Health Management (PHM)

**Requirements:**

* Ph.D. in Mechanical/Aerospace/Civil/Nuclear Engineering
* A strong record of research accomplishments (e.g., publications in peer-reviewed scientific journals, patents)

Candidates should have first-hand experience in vibration-based fault diagnostics, artificial intelligence, and engineering analysis; scientific paper writing skill; experience writing proposals and presenting works at seminal events. He/she must be able to operate Microsoft Office. Preference will be given to those who have worked in the fields of statistical data processing, and/or prognostics & health management (PHM).

**Working Condition:**

* 40 million Korean won (∼36,000 Dollars) / year
* Extra salary from research projects

**Application:**

Please submit your CV by email to:   
Byeng D. Youn   
Associate Professor  
Seoul National University, System Health and Risk Management Center   
email: [bdyoun@snu.ac.kr](mailto:bdyoun@snu.ac.kr)  
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