

Papers from the Joint Korea-United States Workshop on Nondestructive Evaluation

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지난 1999년 5월 24일~27일 기간동안 부산대학교 상남 국제회관에서 IEEE UFFC 학회와 한국비파괴 검사학회가 공동으로 비파괴 평가기술에 관한 한,미 공동 워크샵이 개최되었다. 최근 국내에서는 대형구조물의 안전성 확보와 관련하여 비파괴 평가 기술의 중요성이 매우 심각하게 대두되고 있다. 따라서 본 워크샵은 비파괴 평가 기술에 관한 한,미 양국의 최근의 연구 결과의 소개 및 활발한 상호 토론을 통하여 앞으로의 이 분야에 대한 양국의 과학기술증대를 주요 목적으로 개최되었다. 특히 본 워크샵에서는 양국의 최근 주요 연구내용이 강의식으로 체계적으로 발표됨으로서 이 분야의 향후 연구에 관심 있는 분들에게 매우 유익한 기회가 되었을 것으로 확신한다. 본 워크샵의 참가자 및 발표내용의 주요 초록은 <http://uffc.brl.uiuc.edu/abstracts/intro.html> 에 소개되어 있다. 끝으로 본 워크샵에 최근의 연구 결과를 발표하여준 여러 발표자들에게 진심으로 감사드리는 바이다.

후기

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A JOINT workshop on nondestructive evaluation was held at Pusan National University in Korea from May 24 to 27, 1999. It was organized by the Korean Society for Nondestructive Testing and the IEEE, Ultrasonics, Ferroelectrics and Frequency Control Society. The purpose was to exchange ideas and review the state of development of quantitative nondestructive evaluation in the two coun-

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tries. A list of the participants and their abstracts can be found at <http://uffc.brl.uiuc.edu/abstracts/intro.html>.

We asked that the papers have a pedagogical aspect so that they might form a useful starting point for future research. Accordingly, several papers review what has been done in the respective country, and some report on incomplete work that suggests directions for future research. We anticipate that the papers (as well as the web site) resulting from this workshop will give the larger community of researchers in ultrasonics and nondestructive evaluation an opportunity to review and assess the outcomes of our joint endeavor.

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Joon-Hyun Lee received an undergraduate degree in mechanical engineering from Pusan National University and a Ph.D. degree from Tohoku University, Japan. He then joined the School of Mechanical Engineering at Pusan National University, where he is a professor and the group leader of the Materials, Strength and NDE Group. He is interested in many aspects of nondestructive evaluation, including ultrasonics techniques such as acoustic microscopy and laser ultrasonics.



John G. Harris (M'95) received an undergraduate degree in electrical engineering from McGill University in 1971 and a Ph.D. in applied mathematics from Northwestern University in 1979. He joined the Department of Theoretical and Applied Mechanics shortly thereafter. His research interests center about diffraction calculations and asymptotic descriptions of wave propagation. The applications considered are those to nondestructive evaluation and seismology.