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EDUCATION

- **Doctor of Philosophy:** School of Electrical and Computer Engineering, Seoul National University, Seoul, Korea, 2005.
 - Study on three-dimensional data acquisition, correlation, and display by capturing and reproducing directional ray distribution using lens array
 - Advised by Prof. Byoungho Lee
- **Master of Science:** School of Electrical and Computer Engineering, Seoul National University, Seoul, Korea, 2002.
 - Analysis on the viewing parameters of the three-dimensional display based on integral imaging
 - Advised by Prof. Byoungho Lee
- **Bachelor of Science:** School of Electrical Engineering, Seoul National University, Seoul, Korea, 2000.

WORK EXPERIENCE

- **Full Professor:** Department of Information and Communication Engineering, INHA University, 2017 to present.
- **Associate Professor:** Department of Information and Communication Engineering, INHA University, 2013 to 2017.
- **Associate Professor:** School of Information and Communication Engineering, Chungbuk National University, 2012 to 2013.
- **Assistant Professor:** School of Information and Communication Engineering, Chungbuk National University, 2009 to 2012.
- **Full-time Lecturer:** School of Information and Communication Engineering, Chungbuk National University, 2007 to 2009.
- **Senior Engineer:** Samsung Electronics, 2005 to 2007.

RESEARCH INTERESTS

- Optical Information Processing based on Holography and Light Field Manipulation
- Advanced Three-Dimensional Displays and Image Processing
- Display Optics & Driving Algorithm

AWARDS

- **Merck Young Scientist Award:** The Korea Information Display Society (K-IDS), 2015.
- **Distinguished Paper Award:** Dual-layer three-dimensional display with enhanced resolution, Display Week, The Society for Information Display (SID), San Diego, USA, 2014.
- **IEC 1906 Award:** International Electrotechnical Commission (IEC), 2014.
- **Best Paper Award:** Resolution enhancement of dual-layer display, Three-Dimensional Systems and Applications (3DSA), Seoul, Korea, 2014.
- **The 100 leaders to lead the industry of KOREA in 2020:** The National Academy of Engineering of KOREA (NAEK), 2013.
- **Outstanding Poster Award:** Spherical hologram generation using 3D object point cloud, The Second Japan-Korea Workshop on Digital Holography and Information Photonics, 2012.
- **Paper award:** Image reconstruction using irregular lens array, Photonics Conference, 2012.
- **Paper award:** Integral imaging three-dimensional display system using wedge backlight, Photonics Conference, 2011.
- **Outstanding Poster Paper Award:** Full-Parallax 360 Degrees Integral Imaging Display, 10th International Meeting on Information Display/International Display Manufacturing Conference/ASIA Display (IMID/IDMC/ASIA DISPLAY), Ilsan, Korea, 2010.
- **Outstanding Poster Paper Award:** Computational integral imaging with enhanced depth sensitivity, 8th International Meeting on Information Display/International Display Manufacturing Conference/ASIA Display (IMID/IDMC/ASIA DISPLAY), Ilsan, Korea, 2008.
- **Distinguished Paper Award:** Novel TFT-LCD Technology for motion blur reduction using 120Hz driving with McFi, The Society for Information Display (SID), Long Beach, USA, 2007.
- **Best Student Paper Award:** Simultaneous pickup in real and virtual fields for 3D/2D convertible display based on integral imaging, IQEC and CLEO-PR, Tokyo, Japan, 2005.
- **OSA-OSK Student Prize:** 3D/2D convertible display based on integral imaging and optical 3D correlator, The Optical Society (OSA), Optical Society of Korea (OSK), 2005.

PROFESSIONAL SERVICES

Journal Editorial Board

- **Topical Editor:** Applied Optics (AO, The Optical Society), 2011 to 2017.
- **Topical Editor:** OSA Continuum (OSAC, The Optical Society), 2018 to present.
- **Topical Editor:** Current Optics and Photonics (COPP, Optical Society of Korea), 2009 to present.
- **Associate Editor:** Journal of Information Display (JID, The Korean Information Display Society), 2011 to present.

Conference Organizing Committee

- **Program Chair:** Korea-Japan Joint Symposium on Digital Holography and Information Photonics (DHIP), Daegu, Korea, Dec. 2017.
- **Technical Program Secretary:** The 17th International Meeting on Information Display (IMID), Busan, Korea, Aug. 2017.
- **Program Co-Chair:** Korea-Japan Joint Symposium on Digital Holography and Information Photonics (DHIP), Sapporo, Japan, Dec. 2016.
- **Technical Program Secretary:** The 16th International Meeting on Information Display (IMID), Jeju, Korea, Aug. 2016.

Conference Technical Program Committee (selective)

- Digital Holography and Three-Dimensional Imaging (DH, OSA), 2017 to present.
- International Symposium of Society for Information Display (SID Display Week), 2008 to present.
- International Meeting on Information Display (IMID), 2009 to 2015, 2018.
- Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR), 2015.
- International Conference on 3D Imaging (IC3D), 2015 to present.

Standardization Activity

- **Project Leader:** IEC TC110, WG6, Optical Measurement of Holographic Displays Project, 2016 to present
- **Project Leader:** IEC TC110, WG6, 3D Display Terminology, 2009 to 2013.

Other Society Services

- **Executive Member:** Holography and Diffractive Optics Technical Group of the Optical Society (OSA), 2017 to present.
- **Vice-Secretary:** Korea Chapter of Society for Information Display (SID), 2013 to present.

PUBLICATIONS

International Journal Papers

- [J18-1] S.-B. Kim and J.-H. Park, "Optical see-through Maxwellian near-to-eye display with an enlarged eyebox," Optics Letters, vol. 43, no. 4, pp. 767-770, 2018.
- [J17-3] S.-B. Ko and J.-H. Park, "Speckle reduction using angular spectrum interleaving for triangular mesh based computer generated hologram," Optics Express, vol. 25, no. 24, pp. 29788-29797, 2017.
- [J17-2] M. Askari, S.-B. Kim, K.-S. Shin, S.-B. Ko, S.-H. Kim, D.-Y. Park, Y.-G. Ju, and J.-H. Park, "Occlusion handling using angular spectrum convolution in fully analytical mesh based computer generated hologram," Optics Express, vol. 25, no. 21, pp. 25867-25878, 2017.
- [J17-1] J.-H. Park, "Recent progresses in computer generated holography for three-dimensional scene," Journal of Information Display, vol. 18, no.1, pp. 1-12, 2017.
- [J16-4] Y. -M. Ji, and J.-H. Park, "Dual layered display that presents auto-stereoscopic 3D images to multiple viewers in arbitrary positions," Journal of the Society for Information Display, vol. 24, no. 10, pp. 641-650, 2016.
- [J16-3] Y.-M. Ji, H.-J. Yeom, and J.-H. Park, "Efficient texture mapping by adaptive mesh division in mesh-based computer generated hologram," Optics Express, vol. 24, no. 24, pp. 28154-28169, 2016.
- [J16-2] J.S. Yang, J.-H. Park, B.-H. O, S.-G. Park, and S.G. Lee, "Design method for a total internal reflection LED lens with double freeform surfaces for narrow and uniform illumination," Journal of the Optical Society of Korea, vol. 20, no. 5, pp. 614-622, 2016.
- [J16-1] H.-J. Yeom, and J.-H. Park, "Calculation of reflectance distribution using angular spectrum convolution in mesh-based computer generated hologram," Optics Express, vol. 24, no. 17, pp. 19801-19813, 2016.
- [J15-3] J.-H. Park, S.-B. Kim, H.-J. Yeom, H.-J. Kim, H. Zhang, B. Li, Y.-M. Ji, S.-H. Kim, and S.-B. Ko, "Continuous shading and its fast update in fully analytic triangular-mesh-based computer generated hologram," Optics Express, vol. 23, no. 26, pp. 33893-33901, 2015 (Selected as Optics

Express Cover Image and OSA Image of the Week).

- [J15-2] H.-J. Yeom, H.-J. Kim, S.-B. Kim, H. Zhang, B. Li, Y.-M. Ji, S.-H. Kim, and J.-H. Park, "3D holographic head mounted display using holographic optical elements with astigmatism aberration compensation," *Optics Express*, vol. 23, no. 25, pp. 32025-32034, 2015.
- [J15-1] J.-H. Park, H.-J. Yeom, H.-J. Kim, H. Zhang, B. Li, Y.-M. Ji, and S.-H. Kim, "Removal of line artifacts on mesh boundary in computer generated hologram by mesh phase matching," *Optics Express*, vol. 23, issue 6, pp. 8006-8013, 2015.
- [J14-5] S. Oh, C.-Y. Hwang, I.K. Jeong, S.-K. Lee, and J.-H. Park, "Fast focus estimation using frequency analysis in digital holography," *Optics Express*, vol. 22, no. 23, pp. 28926-28933, 2014.
- [J14-4] J.-H. Park, S.-K. Lee, N.-Y. Jo, H.-J. Kim, Y.-S. Kim, and H.-G. Lim, "Light ray field capture using focal plane sweeping and its optical reconstruction using 3D displays," *Optics Express*, vol. 22, issue 21, pp. 25444-25454, 2014.
- [J14-3] J.-H. Park, and H.-G. Lim, "Bounding box extraction from spherical hologram of elementary object to synthesize hologram of arbitrary three-dimensional scene with occlusion consideration," *Chinese Optics Letters*, vol 12, no. 6, article 060019, 2014.
- [J14-2] G. Li, K. Hong, J. Yeom, N. Chen, J.-H. Park, N. Kim, and B. Lee, "Acceleration method for computer generated spherical hologram calculation of real objects using graphics processing unit," *Chinese Optics Letters*, vol. 12, no. 6, article 060016, 2014.
- [J14-1] M.-U. Erdenebat, G. Baasantseren, J.-H. Park, K.-C. Kwon, K.-H. Yoo, and N. Kim, "Vertical viewing angle enhanced 360 degree integral-floating display using anamorphic optic system," *Optics Letters*, vol. 39, no. 8, pp. 2326-2329, 2014.
- [J13-4] N.-Y. Jo, H.-G. Lim, S.-K. Lee, Y.-S. Kim, and J.-H. Park, "Depth enhancement of multi-layer light field display using polarization dependent internal reflection," *Optics Express*, vol. 21, no. 24, pp. 29628-29636, 2013.
- [J13-3] S.-K. Lee, S.-I. Hong, Y.-S. Kim, H.-G. Lim, N.-Y. Jo, and J.-H. Park, "Hologram synthesis of three-dimensional real objects using portable integral imaging camera," *Optics Express*, vol.21, no.20, pp. 23662-23670, 2013.
- [J13-2] G. Li, A.-H. Phan, N. Kim, and J.-H. Park, "Synthesis of computer-generated spherical hologram of real object with 360 degree field of view using a depth camera," *Applied Optics*, vol. 52, no. 15, pp. 3567-3575, 2013.
- [J13-1] A.-H. Phan, M.-L. Piao, J.-H. Park, and N. Kim, "Error analysis in parallel two-step phase-shifting method," *Applied Optics*, vol. 52, no. 11, pp. 2385-2393, 2013.
- [J12-7] M.-U. Erdenebat, G. Baasantseren, N. Kim, K.-C. Kwon, J. Byeon, K.-H. Yoo, and J.-H. Park, "Integral-floating display with 360 degree horizontal viewing angle," *Journal of the Optical Society of Korea*, vol.16, no.4, pp. 365-371, 2012.
- [J12-6] H.-S. Kim, K.-M. Jeong, S.-I. Hong, N.-Y. Jo, and J.-H. Park, "Analysis of image distortion based on light ray field by multi-view and horizontal parallax only integral imaging display," *Optics Express*, vol. 20, no. 21, pp. 23755-23768, 2012.
- [J12-5] K.-M. Jeong, H.-S. Kim, S.-I. Hong, S.-K. Lee, N.-Y. Jo, Y.-S. Kim, H.-G. Lim, and J.-H. Park, "Acceleration of integral imaging based incoherent Fourier hologram capture using graphic processing unit," *Optics Express*, vol. 20, issue 21, pp. 23735-23743, 2012.
- [J12-4] Y.-T. Lim, J.-H. Park, K.-C. Kwon, and N. Kim, "Analysis on enhanced depth of field for integral imaging microscopy," *Optics Express*, vol. 20, no. 21, pp. 23480-23488, 2012.
- [J12-3] Y. Kim, K. Hong, J. Yeom, J. Hong, J.-H. Jung, Y. W. Lee, J.-H. Park, and B. Lee, "A frontal projection-type three-dimensional display," *Optics Express*, vol. 20, no. 18, pp. 20130–20138, 2012
- [J12-2] M.A. Alam, G. Baasantseren, M.-U. Erdenebat, N. Kim and J.-H. Park, "Resolution enhancement of integral imaging three-dimensional display using directional elemental image projection," *Journal of Society for Information Display*, vol. 20, no. 4, pp. 221-227, 2012.
- [J12-1] K.-C. Kwon, C. Park, M.-U. Erdenebat, J.-S. Jeong, J.-H. Choi, N. Kim, J.-H. Park, Y.-T. Lim, and K.-H. Yoo, "High speed image space parallel processing for computer-generated integral

imaging system," *Optics Express*, vol. 20, no. 2, pp. 732-740, 2012.

- [J11-9] H.-E. Kim, H.-S. Kim, K.-M. Jeong, and J.-H. Park, "Three-dimensional binocular holographic display using liquid crystal shutter," *Journal of the Optical Society of Korea*, vol. 15, no. 4, pp.345-351, 2011.
- [J11-8] N. Chen, J. Yeom, J.-H. Jung, J.-H. Park, and B. Lee, "Resolution comparison between integral-imaging-based hologram synthesis methods using rectangular and hexagonal lens arrays," *Optics Express*, vol. 19, no. 27, pp. 26917-26927, 2011.
- [J11-7] J. Yeom, J. Hong, J.-H. Jung, K. Hong, J.-H. Park, and B. Lee, "Phase-only hologram generation based on integral imaging and its enhancement in depth resolution," *Chinese Optics Letters*, vol. 9, no. 12, article 12009, 2011.
- [J11-6] J. Hong, Y. Kim, H.-J. Choi, J. Hahn, J.-H. Park, H. Kim, S.-W. Min, N. Chen, and B. Lee, "Three-dimensional display technologies of recent interest: principles, status, and issues," *Applied Optics*, vol. 50, no. 34, pp. H87-H115, 2011 (Invited paper, ISP paper).
- [J11-5] J.-H. Park, and K.-M. Jeong, "Frequency domain depth filtering of integral imaging," *Optics Express*, vol. 19, no. 19, pp. 18729-18741, 2011.
- [J11-4] Z. Ali, H.-E. Kim, D. Han, J.-H. Park, and N. Kim, "Simplified novel look-up table method using compute unified device architecture," *3D Research*, vol. 2, no. 3, paper 03002, 2011.
- [J11-3] A.-H. Phan, J.-H. Park, and N. Kim, "Super-resolution Digital Holographic Microscopy for Three Dimensional Sample using Multi-point Light Source Illumination," *Japanese Journal of Applied Physics*, vol. 50, no. 9, pp. 092503-1 ~ 092503-4, 2011.
- [J11-2] L.T. Bang, Z. Ali, P.D. Quang, J.-H. Park, and N. Kim, "Compression of digital hologram for three-dimensional object using Wavelet-Bandelets transform," *Optics Express*, Vol. 19, Issue 9, pp. 8019-8031, 2011.
- [J11-1] S.S. Bhattacharyya, D.W. Kwon, Y.J. Lim, J.-H. Park and S.H. Lee, "Tunable light diffractor associated with liquid crystal molecular reorientation from homogeneous alignment to periodic twist deformation in micrometre scale," *Journal of Physics D: Applied Physics*, Vol. 44, Issue 16, pp. 165501-1 - 165501-8, 2011.
- [J10-8] H.-S. Kang, and J.-H. Park, "Fast motion estimation based on search range adjustment using neighboring MVDs," *Lecture Notes in Computer Science*, vol. 6455, pp. 239-248, 2010.
- [J10-7] J.-H. Jung, K. Hong, G. Park, I. Chung, J.-H. Park, and B. Lee, "Reconstruction of three-dimensional occluded object using optical flow and triangular mesh reconstruction in integral imaging," *Optics Express*, vol. 18, no. 25, pp. 26373-26387, 2010.
- [J10-6] D.-Q. Pham, N. Kim, K.-C. Kwon, J.-H. Jung, K. Hong, B. Lee, and J.-H. Park, "Depth enhancement of integral imaging by using polymer-dispersed liquid-crystal films and dual-depth configuration," *Optics Letters*, vol. 35, no. 18, pp.3135-3137, 2010
- [J10-5] D.-Q. Pham, J.-H. Park, and N. Kim, "Pickup and display of reflection-type microscopic three-dimensional object using confocal microscopy and integral imaging technique," *3D Research*, vol. 1, no. 2, pp. 19-25, 2010.
- [J10-4] M. Shin, G. Baasantseren, K.-C. Kwon, N. Kim and J.-H. Park, "Three-dimensional display system based on integral imaging with viewing direction control," *Japanese Journal of Applied Physics*, vol. 49, no. 7, pp. 072501-1 ~ 072501-7, 2010.
- [J10-3] G. Baasantseren, J.-H. Park, M.-U. Erdenebat, S.-W. Seo, and N. Kim, "Integral floating image display using two lenses with reduced distortions and enhanced depth," *Journal of the Society for Information Display*, vol. 18, no. 7, pp. 519-526, 2010.
- [J10-2] K. Hong, J.Hong, J.-H. Jung, J.-H. Park, and B. Lee, "Rectification of elemental image set and extraction of lens lattice by projective image transformation in integral imaging," *Optics Express*, vol. 18, no. 11, pp. 12002-12016, 2010.
- [J10-1] N. Chen, J.-H. Park, and N. Kim, "Parameter analysis of integral Fourier hologram and its resolution enhancement," *Optics Express*, vol. 18, no. 3, pp. 2152-2167, 2010.
- [J09-5] Y.-T. Lim, J.-H. Park, K.-C. Kwon, and N. Kim, "Resolution-enhanced integral imaging

microscopy that uses lens array shifting," *Optics Express*, vol. 17, no. 21, pp. 19253-19263, 2009.

- [J09-4] J.-H. Park, K. Hong, and B. Lee, "Recent progresses in three-dimensional information processing based on integral imaging," *Applied Optics*, vol. 48, no. 34, pp. H77-94, 2009 (ISP paper) (Invited paper) (Introduced in "Spotlight on Optics").
- [J09-3] G. Baasantseren, J.-H. Park, K.-C. Kwon, and N. Kim, "Viewing angle enhanced integral imaging display using two elemental image masks," *Optics Express*, vol 17, no 16, pp. 14405-14417, 2009.
- [J09-2] J.-H. Park, M.-S. Kim, G. Baasantseren, and N. Kim, "Fresnel and Fourier hologram generation using orthographic projection images," *Optics Express*, vol. 17, no. 8, pp. 6320-6334, 2009.
- [J09-1] G. Baasantseren, J.-H. Park, and N. Kim, "Depth discrimination enhanced computational integral imaging using random pattern illumination," *Japanese Journal of Applied Physics*, vol. 48, no. 2, 020216-1 ~ 020216-3, 2009.
- [J08-1] J.-H. Park, G. Baasantseren, N. Kim, G. Park, J.-M. Kang, and B. Lee, "View image generation in perspective and orthographic projection geometry based on integral imaging," *Optics Express*, vol. 16, no. 12, pp. 8800-8813, 2008.
- [J06-2] S.-W. Cho, J.-H. Park, Y. Kim, H. Choi, J. Kim, and B. Lee, "Convertible two-dimensional-three-dimensional display using an LED array based on modified integral imaging," *Optics Letters*, vol. 31, no. 19, pp. 2852-2854, 2006.
- [J06-1] Y. Kim, J.-H. Park, H. Choi, J. Kim, S.-W. Cho, and B. Lee, "Depth-enhanced three-dimensional integral imaging by use of multilayered display devices," *Applied Optics*, vol. 45, no. 18, pp. 4334-4343, 2006.
- [J05-8] H. Choi, J.-H. Park, J. Kim, S.-W. Cho, and B. Lee, "Wide-viewing-angle 3D/2D convertible display system using two display devices and a lens array," *Optics Express*, vol. 13, no. 21, pp. 8424-8432, 2005.
- [J05-7] J.-H. Park, J. Kim, J.-P. Bae, Y. Kim, and B. Lee, "Viewing angle enhancement of three-dimension / two-dimension convertible integral imaging display using double collimated or non-collimated illumination," *Japanese Journal of Applied Physics*, vol. 44, no. 31, pp. L991-L994, 2005.
- [J05-6] H. Choi, Y. Kim, J.-H. Park, J. Kim, S.-W. Cho, and B. Lee, "Layered-panel integral imaging without the translucent problem," *Optics Express*, vol. 13, no.15, pp. 5769-5776, 2005.
- [J05-5] J.-H. Park, J. Kim, and B. Lee, "Three-dimensional optical correlator using a sub-image array," *Optics Express*, vol. 13, no. 13, pp. 5116-5126, 2005.
- [J05-4] H. Choi, Y. Kim, J.-H. Park, S. Jung, and B. Lee, "Improved analysis on the viewing angle of integral imaging," *Applied Optics*, vol. 44, no. 12, pp. 2311-2317, 2005.
- [J05-3] J.-H. Park, J. Kim, Y. Kim, and B. Lee, "Resolution-enhanced three-dimension/two-dimension convertible display based on integral imaging," *Optics Express*, vol. 13, no. 6, pp. 1875-1884, 2005.
- [J05-2] Y. Kim, J.-H. Park, S.-W. Min, S. Jung, H. Choi, and B. Lee, "Wide-viewing-angle integral three-dimensional imaging system by curving a screen and a lens array," *Applied Optics*, vol. 44, no. 4, pp. 546-552, 2005.
- [J05-1] J.-H. Park, H. Choi, Y. Kim, J. Kim, and B. Lee, "Scaling of three-dimensional integral imaging," *Japanese Journal of Applied Physics*, vol. 44, no. 1A, pp. 216-224, 2005.
- [J04-7] S. Jung, J. Hong, J.-H. Park, Y. Kim, and B. Lee, "Depth-enhanced integral-imaging 3D display using different optical path lengths by polarization devices or mirror barrier array," *Journal of the Society for Information Display*, vol. 12, no. 4, pp. 461-467, 2004.
- [J04-6] J.-H. Park, H.-R. Kim, Y. Kim, J. Kim, J. Hong, S.-D. Lee, and B. Lee, "Depth-enhanced three-dimensional-two-dimensional convertible display based on modified integral imaging," *Optics Letters*, vol. 29, no. 23, pp. 2734-2736, 2004.
- [J04-5] J.-H. Park, Y. Kim, J. Kim, S.-W. Min, and B. Lee, "Three-dimensional display scheme based on integral imaging with three-dimensional information processing," *Optics Express*, vol. 12, no. 24,

pp. 6020-6032, 2004.

- [J04-4] J.-H. Park, S. Jung, H. Choi, Y. Kim, and B. Lee, "Depth extraction by use of a rectangular lens array and one-dimensional elemental image modification," *Applied Optics*, vol. 43, no. 25, pp. 4882-4895, 2004.
- [J04-3] H. Choi, J.-H. Park, J. Hong, and B. Lee, "Depth-enhanced integral imaging with a stepped lens array or a composite lens array for three-dimensional display," *Japanese Journal of Applied Physics*, vol. 43, no. 8A, pp. 5330-5336, 2004.
- [J04-2] J. Hong, J.-H. Park, S. Jung and B. Lee, "Depth-enhanced integral imaging by use of optical path control," *Optics Letters*, vol. 29, no. 15, pp. 1790-1792, 2004.
- [J04-1] Y. Kim, J.-H. Park, H. Choi, S. Jung, S.-W. Min, and B. Lee, "Viewing-angle-enhanced integral imaging system using a curved lens array," *Optics Express*, vol. 12, no. 3, pp. 421-429, 2004.
- [J03-4] J.-H. Park, S. Jung, H. Choi, and B. Lee, "Integral imaging with multiple image planes using a uniaxial crystal plate," *Optics Express*, vol. 11, no. 16, pp. 1862-1875, 2003.
- [J03-3] S. Jung, J.-H. Park, H. Choi, and B. Lee, "Viewing-angle-enhanced integral three-dimensional imaging along all directions without mechanical movement," *Optics Express*, vol. 11, no. 12, pp. 1346-1356, 2003.
- [J03-2] S. Jung, J.-H. Park, H. Choi, and B. Lee, "Wide-viewing integral three-dimensional imaging by use of orthogonal polarization switching," *Applied Optics*, vol. 42, no. 14, pp. 2513-2520, 2003.
- [J03-1] H. Choi, S.-W. Min, S. Jung, J.-H. Park, and B. Lee, "Multiple-viewing-zone integral imaging using a dynamic barrier array for three-dimensional displays," *Optics Express*, vol. 11, no. 8, pp. 927-932, 2003.
- [J02-6] J.-H. Park, S. Jung, H. Choi, and B. Lee, "Detection of the longitudinal and the lateral positions of a three-dimensional object using a lens array and joint transform correlator," *Optical Memory and Neural Networks*, vol. 11, no. 3, pp. 181-188, 2002.
- [J02-5] J.-H. Park, S. Jung, H. Choi, and B. Lee, "Viewing-angle-enhanced integral imaging by elemental image resizing and elemental lens switching," *Applied Optics*, vol. 41, no. 32, pp. 6875-6883, 2002.
- [J02-4] S. Jung, J.-H. Park, B. Lee, and B. Javidi, "Viewing-angle-enhanced integral 3D imaging using double display devices with masks," *Optical Engineering* vol. 41, no. 10, pp. 2389-2390, 2002.
- [J02-3] S.-W. Min, S. Jung, J.-H. Park, and B. Lee, "Study for wide-viewing integral photography using an aspheric Fresnel-lens array," *Optical Engineering*, vol. 41, no. 10, pp. 2572-2576, 2002.
- [J02-2] B. Lee, S. Jung, and J.-H. Park, "Viewing-angle-enhanced integral imaging by lens switching," *Optics Letters*, vol. 27, no. 10, pp. 818-820, 2002.
- [J02-1] Y. Jeong, S. Jung, J.-H. Park, and B. Lee, "A reflection-type integral imaging scheme for displaying three-dimensional images," *Optics Letters*, vol. 27, no. 9, pp. 704-706, 2002.
- [J01-2] J.-H. Park, S.-W. Min, S. Jung, and B. Lee, "Analysis of viewing parameters for two display methods based on integral photography," *Applied Optics*, vol. 40, no. 29, pp. 5217-5232, 2001.
- [J01-1] B. Lee, S. Jung, S.-W. Min, and J.-H. Park, "Three-dimensional display by use of integral photography with dynamically variable image planes," *Optics Letters*, vol. 26, no. 19, pp. 1481-1482, 2001.

International Conference Invited Talks

- [C-invited-18-1] J.-H. Park, "Optical see-through three-dimensional near-to-eye display with depth of field control," 3D Image Acquisition and Display: Technology, Perception and Application, OSA Imaging and Applied Optics Congress, Wyndham Orlando Resort International Drive, Orlando, FL, USA, paper 3M2G.1, June 2018.
- [C-invited-17-6] J.-H. Park, S.-B. Kim, S.-B. Ko, K.-S. Shin, Y.-G. Ju, D.-Y. Park, and A. Mehdi, "Accommodative optical-see-through near-to-eye displays using waveguide and holographic optical

elements," The 7th Korea-Japan Joint Workshop on Digital Holography and Information Photonics (DHIP 2017), DGDC, Daegu, Korea, paper Inv22a-2, Dec. 2017.

- [C-invited-17-5] J.-H. Park, "Hologram synthesis for near to eye display," The 24th International Display Workshops (IDW 2017), Sendai International Center, Sendai, Japan, paper FMC3-2, Dec. 2017.
- [C-invited-17-4] J.-H. Park, "Speckle reduction and occlusion processing in mesh based computer generated hologram," OSJ-OSA Joint Symposia, Optics & Photonics Japan 2017, Tokyo, Japan, paper 30p0D2, Oct. 2017.
- [C-invited-17-3] J.-H. Park, "Waveguide-type see-through 3D head-mounted displays without accommodation vergence mismatch," OSA Frontiers in Optics 2017 (FiO 2017), Washington, DC, USA, paper FW5C.3, Sep. 2017.
- [C-invited-17-2] J.-H. Park, "Recent progress on mesh-based computer generated hologram," International conference on advanced laser technologies (ALT17), Hanwah resorts Haeundae Tivoli, Busan, Korea, paper TD-III-2, Sep. 2017.
- [C-invited-17-1] J.-H. Park, "Holographic and Light Field Head Mounted Displays and Their Contents Synthesis," Information Photonics 2017 (IP'17), Optics & Photonics International Congress 2017 (OPIC), Yokohama, Japan, paper IP-21AM-1-3, Apr. 2017.
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