

**Tutorial 4 : Thermal, Optical, and Phosphor Technologies
for Highly Efficient LED Illumination Devices****AM, PM Chair** D.-H. Park (Wonkwang Univ., Korea)

T4-1 10:30~11:30

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Introduction to Computational Fluid Dynamics and Its
Application for Thermal Management

J. S. Lee (Wayne State Univ., USA)

Lunch 11:30~13:00

T4-2 13:00~14:00

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Electro-thermo-optical Properties of LED Lighting

K. I. Min (Samsung Eletro-Mechanics Co., Ltd., Korea)

Coffee Break 14:00~14:20

T4-3 14:20~15:20

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The Way of Korean LED and SSL

Y. M. Yu (KOPTI, Korea)