[TuA2] OLED II

Date / Time: July 3 (Tue.), 2018 / 13:30-15:10
Place: Room A (#101+102)
Session Chair: Yun Chi (Nat'l Tsing Hua Univ., Taiwan)  
Junbiao Peng (South China Univ. of Tech, China)

TuA2-11 (Invited) 13:30-13:55
The Photophysics of TADF OLED Materials
Andrew Monkman
Durham Univ., UK

TuA2-02 13:55-14:10
TADF Ground State Coupling Dilemma
Paloma Lays and Andrew Monkman
Durham Univ., UK

TuA2-03 14:10-14:25
Maximising The Reverse Intersystem Crossing Rate in Thermally Activated Delayed Fluorescence Emitters: A Matter of Spin-Vibronic Coupling
Julien Eng and Thomas J. Penfold
Newcastle Univ., UK

TuA2-04 14:25-14:40
Engineering The Molecular Structure of TADF Emitters for Efficient Reverse Intersystem Crossing
Rongjuan Huang¹, Roberto S. Nobuyasu¹, Illia Serdiuk², Johnathan S. Ward¹, João Avó³, Jamie Gibson⁴, Thomas Penfold⁴, Martin R. Bryce¹, and Fernando B. Dias¹
¹Durham Univ., UK, ²Univ. of Gdańsk, Poland, ³Inst. Superior Técnico, Portugal, ⁴Newcastle Univ., UK

TuA2-05 14:40 14:55
OLEDs with External Quantum Efficiency up to 20% based on Highly Efficient Thermally Activated Delayed Fluorescence from Exciplex Blends
Marian Chapran¹, Piotr Pander², Marharya Vasylieva³, Gabriela Wiosna-Salyga¹, Jacek Ulanski¹, Fernando B. Dias³, and Przemyslaw Data³
¹Lodz Univ. of Tech., Poland, ²Durham Univ., UK, ³Silesian Univ. of Tech., Poland

TuA2-06 14:55-15:10
Kinetic Monte Carlo Simulation Studies of The Efficiency and Roll-Off of 3rd and 3.5th Generation TADF-Based OLEDs
Reinder Coehoorn¹, Stefano Gottardi², Peter Bobbert¹, Siebe van Mensfoort³, and Harm van Eersel²
¹Eindhoven Univ. of Tech., The Netherlands, ºSimbeyond B.V., The Netherlands