



<b>Session Title</b>	[TuA2] OLED II
<b>Date / Time</b>	July 3 (Tue.), 2018 / 13:30-15:30
<b>Room</b>	Room A (#101+102)
<b>Session Chair</b>	TBA

**TuA2-I1 (Invited)**

**13:30-13:55**

**The Photophysics of TADF OLED Materials**

Andrew Monkman  
*Durham University, UK*

**TuA2-O2**

**13:55-14:10**

**On The Role of Spin States in Thermally Activated Delayed Fluorescence Based Light Emitting Diodes**

Vladimir Dyakonov  
*Univ. of Wuerzburg, Germany*

**TuA2-O3**

**14:10-14:25**

**TADF Ground State Coupling Dilemma**

Paloma Lays and Andrew Monkman  
*Durham Univ., UK*

**TuA2-O4**

**14:25-14:40**

**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-O5**

**14:40-14:55**

**Engineering The Molecular Structure of TADF Emitters for Efficient Reverse Intersystem Crossing**

Rongjuan Huang<sup>1</sup>, Roberto S. Nobuyasu<sup>1</sup>, Illia Serdiuk<sup>2</sup>, Johnathan S. Ward<sup>1</sup>, João Avó<sup>3</sup>, Jamie Gibson<sup>4</sup>, Thomas Penfold<sup>4</sup>, Martin R. Bryce<sup>1</sup>, and Fernando B. Dias<sup>1</sup>  
<sup>1</sup>*Durham Univ., UK*, <sup>2</sup>*Univ. of Gdańsk, Poland*, <sup>3</sup>*Inst. Superior Técnico, Portugal*, <sup>4</sup>*Newcastle Univ., UK*

**TuA2-O6**

**14:55-15:10**

**OLEDs with External Quantum Efficiency up to 20% based on Highly Efficient Thermally Activated Delayed Fluorescence from Exciplex blends**

Marian Chapran<sup>1</sup>, Piotr Pander<sup>2</sup>, Marharyta Vasylieva<sup>3</sup>, Gabriela Wiosna-Salyga<sup>1</sup>, Jacek Ulanski<sup>1</sup>, Fernando B. Dias<sup>2</sup>, and Przemyslaw Data<sup>2</sup>  
<sup>1</sup>*Lodz Univ. of Tech., Poland*, <sup>2</sup>*Durham Univ., UK*, <sup>3</sup>*Silesian Univ. of Tech., Poland*

**TuA2-O7**

**15:10-15:25**

**Kinetic Monte Carlo Simulation Studies of The Efficiency and Roll-Off of 3<sup>rd</sup> and 3.5<sup>th</sup> Generation TADF-Based OLEDs**

Reinder Coehoorn<sup>1</sup>, Stefano Gottardi<sup>2</sup>, Peter Bobbert<sup>1</sup>, Siebe van Mensfoort<sup>2</sup>, and Harm van Eersel<sup>2</sup>  
<sup>1</sup>*Eindhoven Univ. of Tech., The Netherlands*, <sup>2</sup>*Simbeyond B.V., The Netherlands*