



Univerzita Karlova v Praze, Přírodovědecká fakulta

Sekce chemie PŘF UK v Praze  
zve všechny zájemce na přednášku z cyklu

## Quo Vadis Chemie

# *Photophysically Active Platinum(II) NHC Complexes*



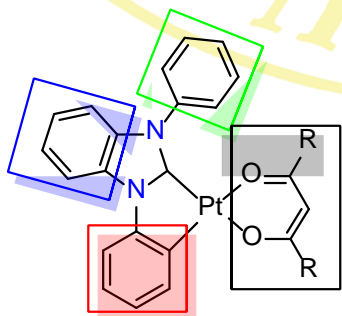
kterou přednese

## Thomas Strassner

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v posluchárně CH2, v budově chemických kateder PŘF UK  
Hlavova 8, Praha 2



During the last decade luminescent platinum(II) complexes have been investigated as functional molecular materials for the potential application as **Phosphorescent**, triplet emitting metal complexes in **Organic Light Emitting Diodes (PhOLEDs)**. Depending on the design of the ligands in the square planar platinum(II) complexes efficient phosphorescence has been observed. We recently synthesized a new class of photophysically active complexes, which will be presented in the talk.

These cyclometalated platinum(II) complexes with donating *N*-heterocyclic carbenes ([Pt(C<sup>\*</sup>C)(O<sup>^</sup>O))] show interesting photophysical properties and can potentially serve as triplet emitters in organic light emitting devices.