

## Novel polymeric emitting devices based on phosphorescent powder: A new challenge to produce near white emission

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Polymer light emitting diodes (PLEDs) have been studied since 1990, using both conjugated polymer and small molecules in active and buffer layers. They are aimed at to be used in flat panel full color displays and lightning. Nowadays, many efforts have been spent to succeed in white emission from PLEDs. In this work we present some result from an investigation on a novel emitting devices based on a PLED and phosphorescent powder capable to produce near white emission. The charge transport mechanism and new methodologies for application of the phosphorescent material will be also discussed.