2025 Spring Meeting

Latest releases:

- Online program (regular updates)
- Full Conference program pdf (version 12/05/2025)
- Separate pdf program available at the bottom of each sympo page

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Good to Know

Due to the generosity of the Eurometropole, every paid attendee will be issued a public transport pass (also called "PASS EVENT") allowing complimentary, unlimited use of both tramway and buses of Strasbourg's public transport network during the 2025 E-MRS Spring Meeting. ***100% digital and available through the CTS app https://appli.cts-strasbourg.eu/ the ticket will be valid for 5 consecutive days after first validation. Tram pass will be available upon arrival at the event.***

Warning for Participants

The European Materials Research Society (E-MRS) has been made aware of service providers of the name Travel Housing, Travelion or Expo Planners, which have contacted a number of participants, citing the Congress, to offer hotel reservation services.

Please note that Travel Housing Services, Travelion or Expo Planners do not represent the European Materials Research Society (E-MRS) nor Strasbourg Convention Centre; nor E-MRS or Strasbourg Convention Centre have authorised them to use their names or trademarks on information they send out to participants.

The 2025 Spring Meeting of the European Materials Research Society (E-MRS) organized with the Foundation Jean-Marie Lehn will be held at the **Convention & Exhibition Centre of Strasbourg (France), from May 26 to 30, 2025.**

The conference will consist of 23 parallel symposia with invited speakers, oral and poster presentations assorted by a plenary session to provide an international forum for discussing recent advances in the field of materials science. The meeting will be augmented by an exhibition of products and services of interest to the conference participants.

24_2307 AgNPs layer influence on PEDOT:PSS/PM6:Y6 interface on based organic photovoltaics

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Abstract

Recent advances in electron donor and acceptor molecules have significantly enhanced the efficiency and competitiveness of organic solar cells, however, optimizing interfaces remains critical for performance, particularly in addressing charge carrier accumulation between the hole transport layers (HTLs) and the active layer. In this work, we compared two solar cells using PM6:Y6 as active layers and PEDOT:PSS as the HTL, with one device incorporating a layer of silver nanoparticles (AgNPs) between the HTL and active layer. Studies conducted using steady-state current-voltage (J-V), Photo-CELIV, and current and voltage transients (TPC and TPV) measurements confirmed a considerable improvement in the device with AgNPs. A more detailed analysis was performed by fitting the experimental results with an analytical expression for the photocurrent that assumes second-order kinetics for bimolecular recombination.