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## Electronic structure of molecular systems

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**Electronic Structure of Molecular Systems**  
**From Gas Phase to Thin Films to Devices**

**S. C. Veenstra**

Electronic Structure of Molecular Systems  
From Gas Phase to Thin Films to Devices  
S. C. Veenstra  
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Cover: *background*: an optical microscopy image of a diode structure prepared by evaporation through shadow masks of an organic semiconductor (P5V4, see figure 1 of the summary of this thesis for the chemical structure) and metal contacts.  
*foreground*: top image gives a representation of the highest occupied molecular orbital of *trans*-stilbene; the middle figure depicts a fluorescent microscopy image of a thin film of P5V4 deposited on mica; the lower image shows a picture of a complete diode structure, consisting of a C<sub>60</sub> layer between metal electrodes, in a set-up for *J-V* measurements.

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Rijksuniversiteit Groningen

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**From Gas Phase to Thin Films to Devices**

Proefschrift

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