

## FOM-Nuon Joint Solar Programme

### Namen van de gehonoreerde voorstellen en indieners

Indiener(s)	Titel	Affiliatie(s)
Dr. E. van der Kolk, Dr. H.T.J.M. Hintzen, Prof.dr. P. Dorenbos	Lanthanide-doped silicon nitride based spectral conversion materials- Modifying the solar spectrum to the solar cell sensitivity	TUD, TU/e
Prof.dr.ir. R.A.J. Janssen, Dr.ir. M.M. Wienk	Interface layers in bulk heterojunction solar cells	TU/e
Dr. A.J. Houtepen, Prof.dr. D. Vanmaekelbergh	Quantum-dot binary superlattice solar cells	TUD, UU
Prof.dr.ir. M.C.M. van de Sanden, Dr.ir. W.M.M. Kessels, Dr.ir. A.H.M. Smets	Novel synthesis and passivation routes of silicon nanocrystals for photovoltaics	TU/e
Prof.dr. J.C. Hummelen	Bulk heterojunction PV theory: development and testing	RuG
Prof.dr. T. Gregorkiewicz	Carrier multiplication in Ge nanocrystals	UvA
Prof.dr. L.D.A. Siebbeles, Dr. J.M. Schins	Harvesting charges from multiple excitons in quantum dots for highly efficient solar cells	TUD
Prof.dr. A. Meijerink, Dr. C. de Mello Donegá	Solar concentrators based on luminescent doped nanocrystals	UU
Dr. F.C. Grozema, Prof.dr. E.J.R. Sudhölter	Singlet exciton fission as a route to more efficient dye sensitized solar cells	TUD
Dr. S.C.J. Meskers, Prof.dr.ir. R.A.J. Janssen	High energy states in multichromophores and oligojunctions	TU/e
Dr. J.K. Rath, Prof.dr. R.E.I. Schropp	Quantum dot based thin film silicon solar cells	UU
Dr. W.G.J.H.M. van Sark, Prof.dr. R.E.I. Schropp, Dr. C. de Mello Donegá	Towards low cost luminescent concentrators (LC <sup>2</sup> )	UU
Dr. R.C. Chiechi	Simple fabrication methods for new non-planar photovoltaic device architectures on the nano-scale	RuG