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## 2015 BEC Awards

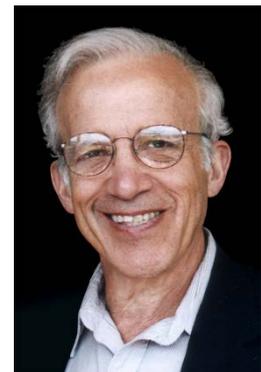
The Prize Committee of the BEC Awards 2015, sponsored by TOPTICA Photonics AG, has decided to give the **Senior BEC Award 2015** jointly to **Thomas Greytak, Harald Hess, and Daniel Kleppner** for *inventing the technique of evaporative cooling, and for the observation of Bose-Einstein condensation in a dilute gas of atomic hydrogen.*



Thomas Greytak



Harald Hess



Daniel Kleppner

**Thomas Greytak** is Professor of Physics emeritus at MIT. His research interests are in the area of experimental low temperature condensed matter physics, in particular superfluid systems. **Daniel Kleppner** is Lester Wolf Professor of Physics Emeritus at MIT, former Director of MIT–Harvard Center for Ultracold Atoms, and former Associate Director of the MIT Research Laboratory of Electronics. Daniel Kleppner made numerous seminal contributions to the field of atomic physics including the invention of the hydrogen maser, pioneering work on ultracold atomic hydrogen, and Bose-Einstein condensation of hydrogen. **Harald Hess** is currently group leader at the Janelia Research Campus. He is developing new high-resolution microscopy concepts for molecular and cellular biology. Harald Hess was postdoc in Kleppner's group at MIT when the technique of evaporative cooling, a crucial tool to produce quantum degenerate gases, was invented.

The **Junior BEC Award 2015** is given to **Shina Tan** for *the derivation of exact relations for strongly interacting Fermi gases with large scattering length, which have greatly influenced our understanding of interacting degenerate gases.*



Shina Tan

**Shina Tan** is Associate Professor of Physics at Georgia Tech University. He is interested in the quantum many-body and few-body theory of atoms and molecules (either fermions or bosons) at nanokelvin temperature. Topics include Efimov effect at large scattering length, mixed dimensionality, effective three-body interactions, and exact relations in strongly interacting systems.

Committee members of the BEC 2015 Awards: Ehud Altman (Chair), Immanuel Bloch, Markus Greiner, Wolfgang Ketterle, Paivi Törma, Gora Shlyapnikov, Ian Spielman, and Christophe Salomon (Chair of BEC 2015).