

## Extract from OP-SF NET

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Subject: Barry Simon Wins 2018 Dannie Heineman Prize for Mathematical Physics

The [American Institute of Physics](#) (AIP) and the [American Physical Society](#) (APS) award the Dannie Heineman Prize for Mathematical Physics to the mathematical and theoretical physicist Barry Simon for his seminal contributions to the field in a broad spectrum of topics.

The AIP and APS announced that Barry Simon of Caltech is the recipient of the 2018 Dannie Heineman Prize for Mathematical Physics, which is awarded annually to honor significant contributions to the field.

In recognizing Simon, the two organizations cited him “For his fundamental contributions to the mathematical physics of quantum mechanics, quantum field theory, and statistical mechanics, including spectral theory, phase transitions, and geometric phases, and his many books and monographs that have deeply influenced generations of researchers.”

“Dr. Simon has impacted so many fundamental aspects of physics over multiple decades with his mathematical insights. His multiple text books, including the classic “Methods of Modern Mathematical Physics,” which he co-authored with M. Reed, continue to help students develop fundamental skills in modeling physical systems,” said Catherine O’ Riordan, interim co-CEO and COO at AIP. “We offer sincere congratulations to Dr. Simon who is joining eight of his co-authors and collaborators who have previously won the Heineman award.”