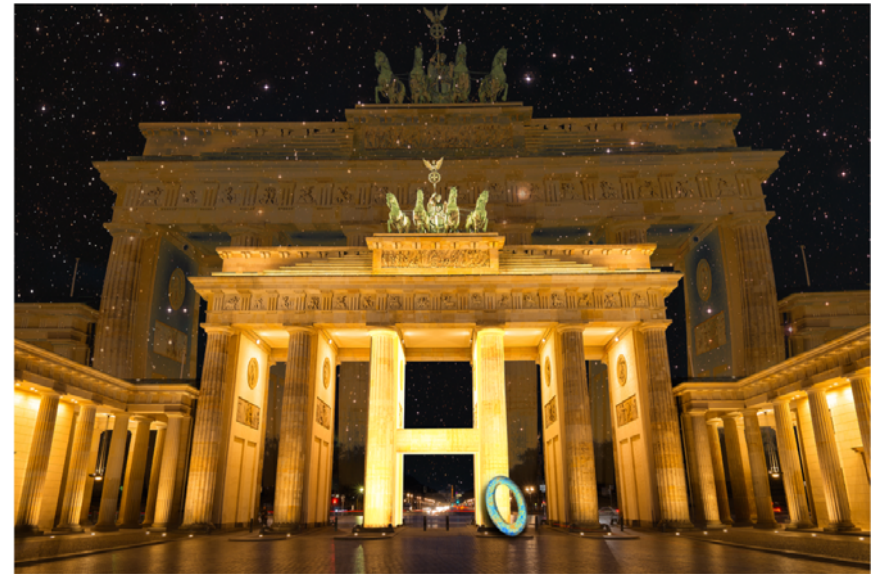


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**Australian Government**

This symposium is part of the Berlin Science Week 2018



# The Hubble Constant Controversy: Status, Implications and Solutions

**WE-Heraeus-Symposium**

 [#hubblecontroversy](https://twitter.com/hubblecontroversy)

**November 10, 2018**

**Auditorium Friedrichstrasse, Berlin/Germany**

## Scientific Organizers

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	08:00	<b>REGISTRATION, WELCOME COFFEE</b>	
CHAIR: N. Sunzeff	09:00	Matthias Steinmetz Lynette Wood, Australian Ambassador to Germany Stefan Jorda, WE-Heraeus-Stiftung	<b>Welcome and introduction</b> <b>Welcome address</b> <b>Welcome address</b>
	09:15	Wendy Freedman, U Chicago	<b>Cosmological controversy: Resolving the tension in the Hubble constant</b>
	09:45	Rachael Beaton, U Princeton	<b>The (very) local distance scale and the Hubble constant</b>
	10:15	Adam Riess, JHU Baltimore	<b>A new measurement of the local value of the Hubble constant, hints of new physics?</b>
	10:45	<b>COFFEE BREAK</b>	
CHAIR: R. Nichol	11:15	Stefan Jordan, U Heidelberg	<b>The Gaia reference frame</b>
	11:45	Tamara Davis, U Queensland	<b>Candles, rulers, and redshifts: A theoretical look at <math>H_0</math></b>
	12:15	Rachel Webster, U Melbourne	<b>Impact of gravitational lensing on <math>H_0</math> measurements</b>
	12:45	<b>LUNCH BREAK</b>	
CHAIR: A. Buonanno	13:45	Sherry Suyu, MPA & TU Munich	<b>HOLiCOW: Measurement of <math>H_0</math> from lensing</b>
	14:15	Matthew Colless, ANU Canberra	<b><math>H_0</math> from large-scale structure surveys</b>
	14:45	Antony Lewis, U Sussex	<b><math>H_0</math> from CMB and Planck</b>
	15:15	Bernhard Schutz, U Cardiff & AEI Potsdam	<b><math>H_0</math> from gravitational waves</b>
	15:45	<b>COFFEE BREAK</b>	
CHAIR: S. White	16:15	Priyamvada Natarajan, Yale U	<b>Mirroring the <math>H_0</math> controversy? Tension between inferences about dark matter in the near &amp; far universe</b>
	16:45	Avi Loeb, Harvard U	<b>Cosmological implications of the <math>H_0</math> controversy</b>
	17:15	Lisa Randall, Harvard U	<b>Potential BSM implications of the <math>H_0</math> controversy</b>
	17:45	Brian Schmidt, ANU Canberra	<b>Discussion „Do we have an <math>H_0</math> crisis?“</b>
	18:30 – 20:00	<b>NETWORKING RECEPTION</b> by invitation of the Australian Embassy Berlin	