Quantum [Un]Speakables II: 50 Years of Bell's Theorem

	Wednesday June 18, 2014 Arrival	Thursday June 19, 2014 Day One	Friday June 20, 2014 Day Two	Saturday June 21, 2014 Day Three	Sunday June 22, 2014 Day Four
9:00 AM		9:00 am - 9:20 am **Welcome & Introduction**	9:00 am - 9:30 am **Rupert Ursin** *Quantum Optics Experiments using Satellites*	9:00 am - 9:30 am **Otfried Gühne** *Analyzing multiparticle quantum states: problems and solutions*	9:00 am - 9:30 am **Renato Renner** *The freedom of choice assumption and its implications*
9:30 AM		9:20 am - 9:30 am **Mary Bell**			
10:00 AM		9:35 am - 10:05 am **David Mermin** *Putting the Scientist into the Science*	9:35 am - 10:05 am **Valerio Scarani** *A full state in a single number*	9:35 am - 10:05 am **Antonio Acin** *Quantum non-locality: a resource for information processing*	9:35 am - 10:05 am **Jan-Åke Larsson** *Bell violation with entangled photons, free of the coincidence-time loophole*
10:30 AM		10:10 am - 10:40 am **Paul Kwiat** *Xtreme Nonlocality*	10:10 am - 10:40 am **Andrew White** Physics above and below the Bell horizon: re-examining quantum foundations and glimpsing the post-quantum world via photonics	10:10 am - 10:40 am **Robert Spekkens** *On causal explanations of quantum correlations*	***Conference Photo***
11:00 AM		***Coffee Break***	***Coffee Break***	***Coffee Break***	***Coffee Break***
11:30 AM		11:15 am - 11:45 am **Valerio Scarani** for **Nicolas Gisin** *Quantum correlations in Newtonian space and time: faster than light communication or nonlocality*	11:15 am - 11:45 am **John M. Martinis** *Superconducting Xmon qubits with gate fidelity at the surface code threshold*	11:15 am - 11:45 am **Marek Zukowski** *Non-locality? – It ain't necessarily so*	11:15 am - 11:45 am **Andrew Whitaker** *John Bell and Quantum Information Theory*
12:00 PM	A	11:50 am - 12:20 pm **Caslav Brukner** *Can quantum-mechanical description of causal relations be considered complete?*	11:50 am - 12:20 pm **Barbara Kraus** *The maximally entangled set of multipartite quantum states*	11:50 am - 12:20 pm **Terence Rudolph** *My struggle to face up to un-reality*	11:50 am - 12:20 pm **Reinhard F. Werner** *Steering, and maybe why Einstein didn't go all the way to Bell's argument*
12:30 PM	R				
1:00 PM	R				***Light lunch*** *(sandwiches)*
1:30 PM	I	**Poster Sessions** *with light lunch (sandwiches)*	***Lunch Break & Lab Tours***	***Lunch Break & Lab Tours***	1:30 pm - 2:00 pm **Simon B. Kochen** *Quantum Mechanics in a New Key*
2:00 PM	V				2:05 pm - 2:35 pm **Anton Zeilinger** *New Dimensions for Entangled Photons*
2:30 PM	A		2:30 pm - 3:00 pm **John F. Clauser** *Some Bell's Theorem Test Loopholes added in last 36 years*	2:30 pm - 3:00 pm **Harald Weinfurter** *Heralded entanglement between distant atoms. Towards a loophole free test of Bell's inequality?*	Farewell
3:00 PM	L	3:00 pm - 3:30 pm **Dagmar Bruß** *Designing Bell Inequalities via Tsirelson bounds*	3:05 pm - 3:35 pm **Markus Aspelmeyer** *Entanglement in massive systems: what do we learn?*	3:05 pm - 4:35 pm **Adan Cabello** *Quantum correlations: where, how and why*	***Coffee Break***
3:30 PM		3:35 pm - 4:05 pm **Gregor Weihs** *A GHZ experiment under strict Einstein locality conditions*	3:40 pm - 4:00 pm **Michael Horne** *On Spatial Entanglement Wavefunctions*	3:40 pm - 4:00 pm **Marissa Giustina** *Bell violation with entangled photons, free of the fair-sampling assumption*	
4:00 PM		4:10 pm - 4:30 pm **Sven Ramelow** *On Closing Loopholes in Bell Experiments*	***Coffee Break***	***Coffee Break***	
4:30 PM		***Coffee Break***	4:35 pm - 5:05 pm **Jeffrey Bub** *Whose Information? Information About What ?*	4:35 pm - 5:05 pm **Daniel Greenberger**	
5:00 PM	***Registration*** *** *The registration desk will also be open on Thursday June 19 from 8am to 9am.*	5:05 pm - 5:35 pm **Helmut Rauch** *Search for hidden variables in neutron experiments*	5:10 pm - 5:40 pm **Reinhold Bertlmann** *Magic Moments with John Bell: Collaboration and Friendship*	5:10 pm - 5:40 pm **Howard Wiseman** *Causation and the Two Bell's Theorems of John Bell*	
5:30 PM		5:40 pm - 6:10 pm **Beatrix Hiesmayr** *Testing Bell's Theorem in High Energy Physics*			
6:00 PM			***Dinner Break***	***Dinner Break***	
6:30 PM					
7:00 PM					
7:30 PM	***Reception***	***Conference Dinner: Hengl-Haslbrunner***			
8:00 PM			8:00 pm - 10:30 pm **Public Lecture** **Alain Aspect** *From Einstein's intuition to quantum bits: a new quantum age*	***Guided City Walks***	
8:30 PM					
9:00 PM					

D E P A R T U R E