

On behalf of SLAC, welcome to friends and colleagues, honored guests (Jonathan and Renee, David and Martha), speakers who have joined us with short notice from afar (Stew Smith, Francesco Forti) and former or present Spokespersons (Francois Le Diberder, Mike Roney).

SLAC has changed remarkably over the last 8 years since PEP-II shut down, but the B Factory holds a special and honored place in the rich scientific history of the laboratory and we are very pleased to be able to host today's symposium. Indeed, it is still the case that the unique capabilities in accelerator science, physics and instrumentation fostered by the B Factory still represent a foundation for SLAC today and are a key part of the laboratory's future.

The purpose of today's event is to honor and celebrate the award of the 2016 APS Panofsky Prize to Jonathan, David, Steve Olsen, and Fumi Takasaki *"For leadership in the BABAR and Belle experiments, which established the violation of CP symmetry in B meson decay, and furthered our understanding of quark mixing and quantum chromodynamics"*. This award is a long-time in coming, but richly deserved, and a wonderful recognition of both their individual efforts and leadership, but also the efforts of more than a thousand physicists, engineers, technicians, postdocs and students who made possible the two B Factories: BABAR and PEP-II here at SLAC, and Belle and KEK-B at the KEK Laboratory in Japan.

These two experimental communities were brought together by a common and exciting scientific goal, namely by the prospect of understanding the origins of matter-antimatter asymmetry, one of the great puzzles of modern-day cosmology and particle physics, and our understanding of the evolution of the Universe since the Big Bang. Jonathan and David played crucial roles in drawing together a large international team behind this compelling scientific question, leading both the accelerator and detector communities as they evolved from concept to final design, construction, commissioning over a period from 1987 to 1999 and eventually science over the succeeding nearly two decades

PEP-II and BABAR were truly a factory for science, achieving the main science goals already in 2001, but going on to break records for high-luminosity storage rings and basically setting the foundation, together with our Belle colleagues, for what today we

call the Standard Model of particle physics in its record breaking run through 2008. This outcome is a testament to the team assembled under Jonathan's and David's leadership and the enthusiasm they instilled in the whole enterprise.

BABAR was also a transformational experiment for SLAC and the US high-energy physics program, bringing together for the first time in the US a truly international collaboration, 50% US and 50% from the international community (11 countries, 80 institutions world-wide) and reflecting the vision Jonathan, David and others (Burt Richter, David Leith, and many leaders in European particle physics) had for this facility. Lasting friendships and ongoing professional relationships continue to this day. The marriage of different backgrounds and experience, at LEP and Novosibirsk, SLD, CLEO, ARGUS, Mark III, and elsewhere, formed a powerful reservoir of talent and experience behind the BABAR experiment

PEP-II was also a wonderful early example of interlab collaboration, with Livermore, Berkeley, and SLAC sharing expertise and capabilities to realize the collider in a remarkably short period of time

Looking back I think we all share a fondness and a sense of family that was and still is BABAR and PEP-II community. This was truly a shared experience that most of us view as unique in our professional experience. Jonathan and David set the stage for this outcome, scientifically, technically, organizationally and personally, and I think as a result we all share great pride in the recognition we are celebrating today

The scientific program today is arranged to capture and expand on these brief remarks, telling a story about a great adventure that many of us shared under the leadership of Jonathan and David, and where the science of BABAR and Belle are carrying us today and in the future

I hope you will all enjoy the scientific program this afternoon and that you will be able to join us at a reception over in the new SUSB, outside the new Panofsky Auditorium, at the conclusion.

David MacFarlane