Invited Talks at Major Meetings
Andreas Albrecht
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6. **Cosmology for high-energy physicists**. Lectures presented at *the Theoretical Advanced Studies Inst.*, Santa Fe, NM, Jul 5 - Aug 1, 1987.


10. **Density perturbations from cosmic strings: Can you see the strings above the noise?** *First International Symposium on Particles, Strings, and Cosmology*, Boston, MA; March 27-31, 1990.


17. **Dark mater and structure formation**  *Dark Matter Workshop*. Imperial College, December 9, 1993.


22. **Coherence and Sakharov Oscillations in the Microwave Sky Microwave Background Anisotropies**  *XXXIst Rencontre de Moriond, Microwave Background Anisotropies* Les Arcs March 1996

23. **Defect Signatures in the Microwave Background**  *National Astronomy Meeting*. Liverpool. April 1996


27. **Cosmic defects and the CMB**  *Birth of the Universe II* Rome, May 1997

28. **What is the future of causal models of cosmic structure?**  *Cosmo-97*, Ambleside, September 1997

30. **New paradigms in active structure formation** *CAPCC 98*, CERN, June 1998

31. **Cosmology with a time varying speed of light** *Cosmo-98*, Asilomar 1998

32. **Cosmology with a time varying speed of light** *19th Texas meeting on relativistic Astrophysics* Paris, December 1998

33. **Varying speed of light as a solution to cosmological problems** *Pritzker Symposium Workshop* Chicago, January 1999

34. **What have cosmic defects taught us about Inflation?** *Pritzker Symposium Workshop* Chicago, January 1999

35. **The use of probabilities in cosmology.** *Inner Space/Outer Space II, David Schramm memorial symposium* Fermilab, May 1999

36. **The current status of defect models of structure formation.** *Inner Space/Outer Space II, David Schramm memorial symposium* Fermilab, May 1999

37. **Irreversibility: from bit to bang.** *Workshop on Complexity, Computation, and the physics of information.* Isaac Newton Institute, Cambridge, July 1999 (*Slides*)

38. **Review of Cosmic Inflation.** *NATO advanced studies institute on Cosmology.* Isaac Newton Institute, Cambridge, July 1999

39. **Cosmic Coherence and structure formation.** *NATO advanced studies institute on Cosmology.* Isaac Newton Institute, Cambridge, July 1999

40. **A phenomenology of the dark energy without fine tuning.** *NATO advanced studies institute on Cosmology.* Isaac Newton Institute, Cambridge, July 1999

41. **Phenomenology of a realistic accelerating universe using only Planck-scale physics.** *COSMO 99.* Trieste September 1999

42. **Cosmic Acceleration and the Planck Scale** *Cosmic Genesis and Fundamental Physics* Sonoma October 1999

43. **Cosmology with a time-varying speed of light** *Cosmic Genesis and Fundamental Physics* Sonoma October 1999

44. **Cosmic Defects and the future of cosmology** *Cosmic Genesis and Fundamental Physics* Sonoma October 1999
45. Current Status of Defect models of Cosmic Structure Formation *PASCOS 99*
Granlibakken (December 1999)

46. Cosmic Acceleration from Planck-Scale physics *Energy Densities in the Universe*
Les Arcs, France (January 22-29, 2000)

47. Using Cosmological Data to Pin Down Planck-Scale Physics *Way beyond the standard models of particle physics and cosmology*, Aspen (Jan-Feb 2000)

48. Opportunities to expose the nature of the dark energy with future CMB and m(z) experiments *Texas Symposium on Relativistic Astrophysics*
Austin (Dec 2000)

49. Characterizing Models of the Dark Energy with SNAP. *197th Meeting of the American Astronomical Society*
San Diego (January 2001).

50. Cosmic Acceleration and Fundamental Physics. *PASCOS 2001*
Chapel Hill (April 2001)

51. Latest Developments in Cosmology. *PHENO 2001 Symposium*
Madison (May 2001).

52. Natural quintessence from large extra dimensions. *M Theory Cosmology*,
Cambridge UK (August, 2001)


56. Inflation, the arrow of time, and theories of initial conditions. *Maryland meeting on Cosmic Structure*. University of Maryland, (October 2002)

57. Introduction to the debate on inflation and alternatives. *National Academy of Sciences Colloquium on Cosmology*, Irvine (November 2002) [Albrecht was the moderator of the debate]


59. Inflation at 22. *The Davis Meeting on Cosmic Inflation*, Davis CA (March 2003)
60. **Cosmic acceleration and fundamental physics.** April APS meeting, Philadelphia, PA, 2003

61. **What does it take to compete with inflation?** “The Future Of Cosmology”, Oct 10-12, 2003, CWRU, Cleveland, OH

62. **Inflation and Causal Patch Physics** “Superstring Cosmology” (Oct 20-24, 2003) KITP, Santa Barbara, CA (see [http://online.kitp.ucsb.edu/online/strings03/](http://online.kitp.ucsb.edu/online/strings03/) for slides and video from talk)

63. **Can the universe afford inflation?** “The Quest for Concordance Cosmology and Beyond” (July 4-17, 2004)

64. **Report from the Dark Energy Task Force** April APS Meeting, Dallas (April 22-25, 2006)


66. **Strategies for Learning the Nature of Dark Energy** April meeting of the American Astronomical Society (Calgary, June 4-8, 2006)

67. **Current perspectives on Dark Energy Theory** “Particles Strings and Cosmology (PASCOS)” (Columbus, September 10-15, 2006)


69. **Current Status of Theories of Dark Energy** “Particles Strings and Cosmology” (PASCOS) (London, UK July 2007)

70. **The Clock Ambiguity and the Emergence of Physical Laws** “Everett at 50” (Oxford, UK, July 2007)

71. **The Clock Ambiguity and the Emergence of Physical Laws** “The Origin of Time’s Arrow” (New York, October 2007)

72. **What can we learn from future dark energy probes?** “STSI Spring Symposium” (Baltimore, 2008)

73. **The Clock Ambiguity and the Emergence of Physical Laws** “Conference on the Multiverse” (Perimeter Institute, September 2008)

74. **The Clock Ambiguity and the Emergence of Physical Laws** “DICE2008 - From Quantum Mechanics Through Complexity to Spacetime: The Role of Emergent Dynamical Structures” (Castiglioncello, Tuscany, September 2008)
75. **Report from the Joint Dark Energy Mission Figure of Merit Science Working Group** “APS April Meeting” (Denver, May 2009)

76. **Dark Energy: Current Status** “PASCOS 2009” (Hamburg, July 2009)

77. **Challenges for a quantum theory of the Universe** “FQXI 2nd International Conference” (Ponta Delgada, Spain, July 2009)

78. **Challenges for a quantum theory of the Universe** “Conference on Holographic Cosmology” (Waterloo, July 2009)

79. **Cosmic Acceleration: Current theoretical issues and progress toward future observations** “Galileo-Xu Guangqui Meeting” (Shanghai, October 2009)

80. **Challenges for Inflation**: “Princeton workshop on Cosmic Inflation” (Princeton, January 2011)

81. **Panelist** “Experimental and Theoretical Challenges to Probing Dark Energy” (Palo Alto December 2011)

82. **New Results from de Sitter Equilibrium Cosmology** “Return of de Sitter” (Stockholm, Feb-March 2011)


85. **Dynamics, typicality and the arrow of time** “Setting Time Aright” (Bergen, Copenhagen and points in-between, Aug 27-Sep 2 2011) Available online [here](#)


87. **Cosmology vs. Equilibrium** "Physics with a Positive Cosmological Constant" (Penn State, May 2012) Available online [here](#)

88. **Panelist** “Mining the Cosmic Frontier at the Planck Era” Davis, May, 2013

89. **Challenges for Theoretical Cosmology** “Fundamental Questions in Cosmology” Davis, May 2013.

90. **Lectures on Cosmic Inflation** “Les Houches School on Post-Planck Cosmology”, Les Houches, July-Aug 2013 (slides posted [here](#))
91. New results on probabilities and measures for eternal inflation “Cosmology After Planck”, Ann Arbor, September 2013.

92. Origin of probabilities and their application to the multiverse “FQXi 4th international Conference” Vieques Island, Puerto Rico, January 2014


94. Origin of probabilities and their application to the multiverse “DICE 2014 Conference” Castillgioncello, Italy September 2014

95. Origin of probabilities and their application to the multiverse “2015, a spacetime odyssey continues” NORDITA Stockholm, June 2015

96. The AAAC Principles of Access IAU General Assembly; Honolulu, Aug 2015

97. Inflation, Tuning and Measures CosmoCruise, Barcelona, Sep 2015