

**Best-sited articles based on talks given at the Aegean Schools and
published in the Lecture Notes in Physics**

1st Aegean: Samos

Inflationary cosmology.

[George Lazarides](#), ([Thessaloniki U.](#)) . UT-STPD-3-01, Nov 2001. 40pp.

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e-Print: [hep-ph/0111328](#), Cited [62 times](#)

Brane cosmology.

[E. Papantonopoulos](#), ([Natl. Tech. U., Athens](#)) . NTUA-02-2002, Feb 2002. 23pp.

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e-Print: [hep-th/0202044](#), Cited [37 times](#)

2nd Aegean: Syros

Dark matter and dark energy.

[Varun Sahni](#), ([IUCAA, Pune](#)) . Mar 2004. 39pp.

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e-Print: [astro-ph/0403324](#), Cited [378 times](#)

3rd Aegean: Chios

Avoiding dark energy with $1/r$ modifications of gravity.

[Richard P. Woodard](#), ([Florida U.](#)) . UFIFT-QG-06-02, Jan 2006. 30pp.

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e-Print: [astro-ph/0601672](#), Cited [215 times](#)

Accelerating universe: observational status and theoretical implications

[Leandros Perivolaropoulos](#), ([Ioannina U.](#)) . Jan 2006. 30pp.

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e-Print: [astro-ph/0601014](#), Cited [98 times](#)

4th Aegean: Lesvos

Higher order gravity theories and their black hole solutions.

[Christos Charmousis](#), ([Orsay, LPT](#)) . LPT-08-42, May 2008. 44pp.

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e-Print: [arXiv:0805.0568 \[gr-qc\]](#), Cited [64 times](#)

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5th Aegean: Milos

Introduction to Holographic Superconductors.

[Gary T. Horowitz](#), ([UC, Santa Barbara](#)) . Feb 2010. 34pp.

Published in **Lect.Notes Phys.828:313-344,2011.**

e-Print: [arXiv:1002.1722 \[hep-th\]](#), Cited [188 times](#)

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[Subir Sachdev](#), ([Harvard U., Phys. Dept.](#)) . Feb 2010. 39pp.

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