

(Lists not including usual academic program lectures and usual seminars of the Academia)

[updated **May 2008**][in order of presentation date]

[Incompletion: ThaiPhysUniverse III and Tah Poe Lecture Series 2006]

68) May 2008 [10-hour lecture] [in Thai]

### **General Relativity**

**Chankit Kanchong** (Department of Physics, Chiang Mai University)

[The Tah Poe Lecture Series 2008](#) at Naresuan University

67) July 2006 [Special lecture] [in Thai]

### **Semiconductor Simulation**

**Puangratana Piror** (Suranaree University of Technology)

at Department of Physics, Naresuan University

66) April 2006 [8-hour lecture] [in Thai]

### **Introduction to linear algebra**

Lunchakron (Dept. of Mathematics, Naresuan University)

[The Tah Poe Lecture Series 2006](#) at Naresuan University

65) April 2006 [6-hour lecture] [in Thai]

### **Introduction to quantum field theory**

**Chankit Kanchong** (Department of Physics, Chiang Mai University) and **Itzadah Thongkool** (Chulalongkorn University)

[The Tah Poe Lecture Series 2006](#) at Naresuan University

64) April 2006 [5-hour lecture] [in Thai]

### **Introduction to general relativity**

**Chakkrit Kaeonikhom** (TPTP's FPC)

[The Tah Poe Lecture Series 2006](#) at Naresuan University

63) Jan 2006 [Special Lecture] [in Thai]

### **Non-linear spiral wave in chemical system**

**Orn-Uma Keowan** (Chemical Physics, Mahidol University)

at Department of Physics, Naresuan University

62.) 18 August 2005 [20-min. contributed talk] [in English]

**1+3 covariant approach to braneworld cosmology**

**Daris Samart** (TPTP's FPC)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

61.) 18 August 2005 [20-min. contributed talk] [in English]

**The Einstein equations on 3-brane world**

**Itzadah Thongkool** (Chulalongkorn University)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

60.) 18 August 2005 [20-min. contributed talk] [in English]

**1+3 covariant approach to braneworld cosmology**

**Daris Samart** (TPTP's FPC)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

59.) 18 August 2005 [20-min. contributed talk] [in English]

**Generalized uncertainty principle**

**Pitayuth Wongchan** (Chulalongkorn University)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

58.) 18 August 2005 [20-min. contributed talk] [in English]

**Stabilization of extra dimensions at enhanced symmetry points**

**Auttakit Chatrabhuti** (Chulalongkorn University)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

57.) 18 August 2005 [20-min. contributed talk] [in English]

**Braneworld cosmological models**

**Burin Gumjudpai** (TPTP's FPC)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

56.) 18 August 2005 [1-hour invited talk] [in English]

**Observational constraints on inflation and its implication for particle physics**

**Shinji Tsujikawa** (Gunma National College of Tech., Japan)

[The Third ThaiPhysUniverse Symposium](#) at Naresuan University

55.) 13-16 August 2005 [8-hour lecture] [in English]

**Inflation and cosmological perturbation**

**Shinji Tsujikawa** (Gunma National College of Tech., Japan)

Short Course on Dark Energy Dynamics, Inflation and Cosmological Perturbation at Naresuan University

54.) 13-16 August 2005 [8-hour lecture] [in English]

**Dynamics of dark energy**

**M. Sami** (Jamia Millia Islamia, India)

Short Course on Dark Energy Dynamics, Inflation and Cosmological Perturbation at Naresuan University

53.) May. 2005 [5-hour lecture] [in Thai]

**Introduction to cosmology**

**Burin Gumjudpai** (TPTP's FPC)

**The Tah Poe Lecture Series 2005** at Naresuan University

52.) May 2005 [5-hour lectures] [in Thai]

**Relativistic quantum mechanics**

**Chankit Khanchong** (Department of Physics, Chiang Mai University)

**The Tah Poe Lecture Series 2005** at Naresuan University

51.) May 2005 [5-hour lectures] [in Thai]

**Introduction to path integrals**

**Alongkorn Khudwilat** (TPTP's CMT)

**The Tah Poe Lecture Series 2005** at Naresuan University

50.) May 2005 [5-hour lectures] [in Thai]

**Introduction to numerical method**

**Chanun Sricheewin** (TPTP's CMT)

**The Tah Poe Lecture Series 2005** at Naresuan University

49.) May 2005 [4-hour lectures] [in Thai]

**Introduction to general relativity**

**Daris Samart** (TPTP's FPC)

**The Tah Poe Lecture Series 2005** at Naresuan University

41.) 17 Oct. 2004 [30-min contributed talk] [in English]

**[Lists of 8 talks at 2<sup>nd</sup> ThaiPhysUniverse are not completed]**

**Lan** (Hanoi University of Education)

The Second ThaiPhysUniverse Symposium at Khon Kaen University

40.) 17 Oct. 2004 [45-min **honorary public lecture**] [in English]

**The past, present and future of the universe**

**Roy Maartens** (ICG, University of Portsmouth)

The Second ThaiPhysUniverse Symposium at Khon Kaen University

39.) Oct. 2004 [2-hour lecture] [in English]

**Braneworld cosmology**

**Takahiro Tanaka** (Kyoto University, Japan)

The Third Thai School on Cosmology (TPCosmo III) at Khon Kaen University

38.) Oct. 2004 [4-hour lecture] [in English]

**Dark energy**

**David Parkinson** (Astronomy Centre, University of Sussex)

The Third Thai School on Cosmology (TPCosmo III) at Khon Kaen University

37.) Oct. 2004 [3-hour lecture] [in English]

**Cosmic microwave background**

**Martin Kunz** (University of Geneva)

The Third Thai School on Cosmology (TPCosmo III) at Khon Kaen University

36.) Oct. 2004 [4-hour lecture] [in English]

**Inflation and the early universe**

**Roy Maartens** (ICG, University of Portsmouth)

The Third Thai School on Cosmology (TPCosmo III) at Khon Kaen University

35.) Oct. 2004 [7-hour lecture] [in English]

**Quantum fields and cosmology**

**Mark Hindmarsh** (Particle Theory Group, University of Sussex)

The Third Thai School on Cosmology (TPCosmo III) at Khon Kaen University

34.) Oct. 2004 [7-hour lecture] [in English]

**General relativity and cosmology**

**Nazeem Mustapha** (University of Cape Town)

The Third Thai School on Cosmology (TPCosmo III) at Khon Kaen University

33.) 10 Oct. 2004 [2-hour lecture] [in Thai]

**Introduction to particle physics**

**Chinorat Kobdaj** (Suranaree University of Technology)

The **Third Thai School on Cosmology (TPCosmo III)** at Khon Kaen University

32.) 10 Oct. 2004 [2-hour lecture] [in Thai]

**Introduction to field theory**

**Auttakit Chatrabhuti** (Chulalongkorn University)

The **Third Thai School on Cosmology (TPCosmo III)** at Khon Kaen University

31.) 10 Oct. 2004 [2-hour lecture] [in Thai]

**Introduction to cosmology**

**Burin Gumjudpai** (TPTP's FPC)

The **Third Thai School on Cosmology (TPCosmo III)** at Khon Kaen University

30) 20 June 2004 [5-hour course] [in Thai]

**Calculus of variation in physics**

**Chanun Sricheewin** (TPTP's CMT)

The **Tah Poe Lecture Series 2004** at Naresuan University

29) 19 June 2004 [5-hour course] [in Thai]

**Path integral formulation in quantum mechanics**

**Alongkorn Khudwilat** (TPTP's CMT)

The **Tah Poe Lecture Series 2004** at Naresuan University

28) 12-13 June 2004 [8-hour course] [in Thai]

**Introduction to cosmology**

**Burin Gumjudpai** (TPTP's FPC)

The **Tah Poe Lecture Series 2004** at Naresuan University

27) 15-31 March 2004 [14-hour course] [in Thai]

**English for physicists**

**Burin Gumjudpai** (TPTP's FPC)

The **Tah Poe Lecture Series 2004** at Naresuan University

26.) 25 March 2004 [2-hours special talk] [in Thai]

**General relativity and its application**

**Narit Pidokrajt** (Stockholm Universitet)

at Physics Bld. Naresuan University

25.) 25 April 2003 [20-min contributed talk] [in English]

**Cosmology based on brane-induced gravity theory**

**Mizuno Shuntaro** (Waseda University, Japan)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

24.) 25 April 2003 [20-min contributed talk] [in English]

**Density perturbations in a brane-world universe with dark radiation**

**Burin Gumjudpai** (ICG, University of Portsmouth & TPTP)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

23.) 25 April 2003 [20-min contributed talk] [in English]

**Construction of non-singular bouncing cosmologies and resulting density perturbations**

**Shinji Tsujikawa** (RESCEU, University of Tokyo, Japan)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

22.) 25 April 2003 [20-min contributed talk] [in English]

**The effect of velocity dispersion in Lagrangian hydrodynamics for a cosmological fluid**

**Takayuki Tatekawa** (Waseda University, Japan)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

21.) 25 April 2003 [20-min contributed talk] [in English]

**The inflationary universe**

**Rangsima Chonpana** (Chulalongkorn University)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

20.) 25 April 2003 [20-min contributed talk] [in English]

**The effect of cooling and preheating on X-ray clusters**

**Orrarujee Muanwong** (Khon Kaen University)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

19.) 25 April 2003 [20-min contributed talk] [in English]

N/A

**Itzadah Thongkool** (Chulalongkorn University)

[The First ThaiPhysUniverse Symposium](#) at Naresuan University

18.) 25 April 2003 [20-min contributed talk] [in English]

**Hamiltonian in light-cone quantization**

**Chankit Kanchong** (Chulalongkorn University)

The First ThaiPhysUniverse Symposium at Naresuan University

17.) 25 April 2003 [30-min invited talk] [in English]

**Model of neutrinos masses and mixings**

**Nimai N. Singh** (Gauhati University, Imphal, India)

The First ThaiPhysUniverse Symposium at Naresuan University

16.) 25 April 2003 [30-min invited talk] [in English]

**Inflation and structure formation in the universe**

**Bruce Bassett** (ICG, University of Portsmouth)

The First ThaiPhysUniverse Symposium at Naresuan University

15.) April 2003 [2-hour lecture] [in English]

**Braneworld cosmology and extra dimensions**

**Bruce Bassett** (ICG, University of Portsmouth)

at the [Second Tah Poe International School on Cosmology \(TPCosmo II\)](#), Naresuan University, April 17-25, (2003)

14.) April 2003 [3-hour lecture] [in English]

**Dark matter, dark energy and acceleration of the universe**

**Martin Kunz** (Astronomy Centre, University of Sussex)

at the [Second Tah Poe International School on Cosmology \(TPCosmo II\)](#), Naresuan University, April 17-25, (2003)

13.) April 2003 [10-hour lecture] [in English]

**Introduction to general relativity in cosmology**

**Fermin Viniegra** (ICG, University of Portsmouth)

at the [Second Tah Poe International School on Cosmology \(TPCosmo II\)](#), Naresuan University, April 17-25, (2003)

12.) April 2003 [3-hour lecture] [in English]

**Introductory overview of modern cosmology**

**Burin Gumjudpai** (ICG, University of Portsmouth & TPTP)

at the [Second Tah Poe International School on Cosmology \(TPCosmo II\)](#), Naresuan University, April 17-25, (2003)

11.) April 2003 [2-hour lecture] [in English]

**Big Bang to Cosmic Microwave Background**

**Bruce Bassett** (ICG, University of Portsmouth)

at the [Second Tah Poe International School on Cosmology \(TPCosmo II\)](#), Naresuan University, April 17-25, (2003)

10.) April 2003 [2-hour lecture] [in English]

**Introduction to cosmic inflation**

**Shinji Tsujikawa** (RESCEU, University of Tokyo, Japan)

at the [Second Tah Poe International School on Cosmology \(TPCosmo II\)](#), Naresuan University, April 17-25, (2003)

9.) 3 April 2002 [4-hour star-gazing activity and talk] [in Thai]

**Astronomy activities and talks**

**Chayan Boonyarak** (Naresuan University)

at the [First Tah Poe School on Cosmology \(TPCosmo I\)](#), Naresuan University, April 1-8, (2002)

8.) 2 April 2002 [1-hour contributed talk] [in Thai]

**Projection of relatively moving objects on a 2D plane: the "train" paradox and the visibility of the Lorentz contraction**

**Seckson Sukhasena** (Suranaree University of Technology & TPTP)

at the [First Tah Poe School on Cosmology \(TPCosmo I\)](#), Naresuan University, April 1-8, (2002)

7.) 1-8 April 2002 [3-hour lecture] [in English]

**Concept of gauge unified theories,**

**Higgs mechanism, the Weinberg-Salam model in Minkowskian and Einsteinian universe,**

**Basics of Supersymmetry and Supergravity**

**Marina Aura Dariescu** (Department of Theoretical Physics, "A.I. Cuza" University of Iasi, Romania)

at the [First Tah Poe School on Cosmology \(TPCosmo I\)](#), Naresuan University, April 1-8, (2002)

6.) 1-8 April 2002 [9-hour lecture] [in English]

**Relativistic cosmology**

**Ciprian Dariescu** (Department of Theoretical Physics, "A.I. Cuza" University of Iasi, Romania)

at the [First Tah Poe School on Cosmology \(TPCosmo I\)](#), Naresuan University, April 1-8, (2002)

5.) 1-8 April 2002 [8-hour lecture] [in English]

**Introduction to cosmology**

**Bruce Bassett** (ICG, University of Portsmouth)

at the [First Tah Poe School on Cosmology \(TPCosmo I\)](#), Naresuan University, April 1-8, (2002)

4.) 1 April 2002 [3-hour lecture] [in Thai]

**Newtonian cosmology**

**Burin Gumjudpai** (ICG, University of Portsmouth & TPTP)

at the [First Tah Poe School on Cosmology \(TPCosmo I\)](#), Naresuan University, April 1-8, (2002)

3.) 17-18 April 2001 [2-day special talk] [in Thai]

เอกภพ, บิ๊กแบง, หลุมดำ และ สตีเฟน ฮอว์กิงส์

**(The universe, Big Bang, Black Holes and Stephen Hawking)**

**Burin Gumjudpai** (RCG, University of Portsmouth and TPTP) and **Rachan Rangdee** (TPTP Naresuan University)

TPTP Special Presentation on Cosmology, Physics Bld., Naresuan University

2.) 1998 [2-hours special talk] [in Thai]

**Physics research at SUT**

**Chinorat Kobdaj** (Suranaree University of Technology)

Physics Bld., Naresuan University

1.) 1997 [2-hours special talk] [in Thai]

**Non-linear dynamics and chaos**

**Krisanadej Jareonsuthasinee** (Mahidol University)

Physics Bld., Naresuan University