



Centre for Theoretical Physics and Natural Philosophy
“Nakhonsawan Studiorum for Advanced Studies” - NAS
Mahidol University, Nakhonsawan Campus Project

The First Convocation and Matriculation of Nakhonsawan Studiorum for Advanced Studies-NAS

26 October 2023

Centre for Theoretical Physics
and Natural Philosophy
Nakhonsawan Campus Project,
Mahidol University



NAS CONVOCAATION AND MATRICULATION

NAS' convocation is a formal meeting of NAS present and past members. This includes faculty, staff, students, alumni and other related people.

NAS holds a ceremonial statement of accepting its new members. Diploma and certificates are awarded on this occasion to NAS' graduands. Herewith the convocation, new students matriculation (ceremony to accept studentship of new students to the NAS studiorum) is to be held as part of the event. Honorable guests are invited to the event to witness the event.

The First Convocation and Matriculation

9.45 (Inside NAS)	<p><u>Internal ceremony</u></p> <p>NAS acting director pronounces accepting of</p> <ol style="list-style-type: none"> 1. Dr. Pradeep Bhadola 2. Dr. Kumar Abhinav <p>as faculty members and accepting of</p> <ol style="list-style-type: none"> 3. Puttathida Mounsook 4. Janejira Ketchara <p>as supporting members of the studiorum by decorating NAS' epitoge regalia to the new members. Ms. Mounsook and Ms. Ketchara then walk to the outside ceremony.</p>	<p>Musical Programs</p> <ol style="list-style-type: none"> 1. Braveheart- theme-for the love of a princess (James Horner) 2. The John Dunbar Theme (From "Dances With Wolves") (John Barry) 3. The Chronicles of Narnia - The Lion, The witch and The Wardrobe - Narnia Theme Song (Harry Gregson-Williams) 4. In a Monastery Garden. (Albert W.Ketelbey) 6. Forrest Gump Theme (Alan Silvestri) 7. Londonderry Air (Brass and Traditional)
9.55	Master of Ceremony (MC - Ms. Mounsook) welcomes and informs program of the morning.	
10.00	<p>Faculty Procession (NAS acting director, Pradeep Bhadola, Kumar Abhinav in full Mahidol faculty academic dress)</p> <p>Seated outside at staff row of chair are Thiti Sirithanakorn (full Mahidol faculty gown), Manabendra Sharma (full Mahidol faculty gown) and Masroor C. Pookkillath</p>	
10.05	<p>MC summons of NAS acting director to the podium.</p> <p>NAS acting director gives welcome speech and reports on NAS' activities and progress in the previous years since its conception.</p>	
10.15	MUNA Vice-President addresses the congregation.	

The First Convocation and Matriculation

10.20	<p><u>Accepting of new staff members ceremony</u></p> <p>MC summons</p> <ol style="list-style-type: none"> 1. Thiti Sirithanakorn, 2. Manabendra Sharma and 3. Masroor C. Pookkillath <p>to the middle of ceremony. NAS acting director declares acceptance of them to NAS members. NAS acting director decorates NAS' epitoge regalia to the new members.</p> <p>Thiti Sirithanakorn and Manabendra Sharma proceed to faculty row of seats while Masroor C. Pookkillath goes back to NAS member row of seats.</p>
10.25	<p><u>Diploma and certificate awarding ceremony</u></p> <p>MC summons all graduands to the front of the convocation. They are</p> <ol style="list-style-type: none"> 1. Chonticha Kritpetch (DipRes) 2. Amornthep Tita (CertPStEPhys) 3. Phichayoot Baisri (CertPStEPhys) <p>One by one, NAS acting director calls name of the graduand so that he/she walks two steps up front from the line. The director says name of the graduand and his/her NAS qualification to be awarded. The graduand gives an oath.</p> <p>After oath is given, the graduand proceeds to NAS acting director. The acting director or honorable guest (the Vice President or other) attaches epitoge regalia of his/her qualification on his/her left shoulder. (In case of diploma graduand, regalia ornamenting to the graduand is done by his/her research supervisor.) The director announces, one that (graduand's name) is accepted to the qualification of diploma/cert...</p> <p>After that the graduand walks to pick up the qualification paper and walks to sign their names in the graduation book then they steps back to the line. After all graduands have completed this process, they stand in the line. MC requests an applause from the audience. They stop and being taken photograph. Finally the graduates go back to their seats.</p> <p>Name of the graduates and qualifications are</p> <ol style="list-style-type: none"> (1) Chonthicha Krithpetch, Diploma of Research (regalia ornamenting by Professor Burin Gumjudpai) (2) Amornthep Tita, Certificate of Paradigms Studies in Elementary Physics (regalia ornamenting by honorable guest) (3) Phichayoot Baisri, Certificate of Paradigms Studies in Elementary Physics (regalia ornamenting by honorable guest)

The First Convocation and Matriculation

10.45	<p><u>Matriculation ceremony</u></p> <p>MC summons all new students to stand in a line in front of the convocation. Students walk out front of the line by one step giving an oath one by one.</p> <p>NAS acting director declares that new students are accepted.</p> <p>New students (including those who return) proceed to the faculty row of seats in this order,</p> <ol style="list-style-type: none"> (1) Amornthep Tita (2) Sompoach Saichaemchan (3) Candrasyah Muhammad (4) Phichayoot Baisri (5) Phusuda Thanankullapong (6) Divya Gupta <p>NAS acting director decorates epitoge to students, one by one.</p> <p>The students sit in front of faculty members, now seated, one by one to offer his/her left hand to the faculty member. The faculty member starting from NAS acting director do wrist tying to the left wrist.</p> <p>Student then moves to Pradeep Bhadola and so forth (Pradeep Bhadola, Kumar Abhinav, Thiti Sirithanakorn and Manbendra Sharma) for the wrist tying.</p> <p>When doing wristing tying one by one, each faculty member says, “May my hands be your hands” “May my wisdom be yours” (ขอมือครูจงเป็นมือของเธอ ขอปัญญาของครูจงเป็นของปัญญาเธอ)</p> <p>After finishing the wrist tying, new students go back to their seats.</p>
11.10	<p>Procession of faculty back to NAS hallway.</p> <p>MC announces ending of the ceremony.</p>
11.15	<p><u>Informal event</u></p> <p>MC calls for group photographing at the “White Stand”. Everyone in the ceremony comes to join the photographing.</p> <p>MC invites staff and guests for to take refreshments in a circle of chairs.</p> <p>MC invites each participant to express their feeling.</p>
<p>Dress codes: academic dress or full formal</p>	

Oath given by graduand

“I, ...name and surname..., shall realize in the values of knowledge and wisdom earned from the faculty of the Nakhonsawan Studiorum for Advanced Studies. I shall use them for good and righteousness. I shall use them with kindness for the sake of mankind. I shall possess the knowledge without arrogance nor looking down upon other people. I shall hold ethical aspects of a scholar. I shall keep this vow for the honor and dignity of myself and of the Nakhonsawan Studiorum for Advanced Studies as long as my life.”

“ข้าพเจ้า นาย/นางสาว... จะตระหนักในคุณค่าแห่งความรู้และ
ปัญญาที่ได้รับจากคณาจารย์แห่งสภากษัตริย์เพื่อการค้นคว้าชั้น
ก้าวหน้า ข้าพเจ้าจะใช้ความรู้และปัญญานี้เพื่อความถูกต้อง
และความชอบธรรม ข้าพเจ้าจะใช้ความรู้และปัญญานี้ด้วยความ
เมตตาเพื่อประโยชน์ของมวลมนุษยชาติ ข้าพเจ้าจะทรงความรู้ไว้
โดยปราศจากความหยิ่งยะโสโอหัง ความลำพองตน
หรือการโอ้อวดดูหมิ่นดูถูกผู้อื่น
ข้าพเจ้าจะดำรงไว้ซึ่งคุณธรรมแห่งบัณฑิต
ข้าพเจ้าจะรักษาคำปฏิญาณตนนี้ไว้เพื่อเกียรติยศ
และเกียรติภูมิแห่งตัวข้าพเจ้าเองและเกียรติยศและเกียรติภูมิ
แห่งสภากษัตริย์เพื่อการค้นคว้าชั้นก้าวหน้า”

Oath given by new student

“I, ...name and surname..., realize in the values of knowledge and wisdom to be earned from the faculty of the Nakhonsawan Studiorum for Advanced Studies. As a student, I shall diligently study and mindfully serve the studiorum for its honour. I shall be humble to learn the knowledge without arrogance nor looking down upon other people. I shall hold moral character of a student. I shall respect good efforts, kindness and honor of teachers of the studiorum. I shall keep this vow for the honor and dignity of myself and of the Nakhonsawan Studiorum for Advanced Studies as long as my life.”

“ข้าพเจ้า นาย/นางสาว... จะตระหนักในคุณค่าแห่งความรู้และปัญญาที่จะได้เรียนจากคณาจารย์แห่งศึกษาลัยเพื่อการค้นคว้าขั้นก้าวหน้า ในฐานะศิษย์ข้าพเจ้าจะเล่าเรียนด้วยวิริยะอุตสาหะ และร่วมแรงร่วมใจกับศึกษาลัยฯ เพื่อผดุงเกียรติของศึกษาลัยฯ ข้าพเจ้าจะอ่อนน้อมถ่อมตนในการเรียนรู้ความรู้ต่างๆ โดยปราศจากความหยิ่งยะโสโอหัง ความลำพองตน หรือการโอ้อวดดูหมิ่นดูถูกผู้อื่น ข้าพเจ้าจะดำรงไว้ซึ่งคุณธรรมแห่งศิษย์ ข้าพเจ้าจะเคารพความพยายาม ความเมตตา และเกียรติของคณาจารย์ของศึกษาลัย ข้าพเจ้าจักรักษาคำปฏิญาณตนนี้ไว้ เพื่อเกียรติยศและเกียรติภูมิแห่งตัวข้าพเจ้าเองและเกียรติยศ และเกียรติภูมิแห่งศึกษาลัยเพื่อการค้นคว้าขั้นก้าวหน้า

Introduction to NAS

Centre for Theoretical Physics and Natural Philosophy
“Nakhonsawan Studiorum for Advanced Studies” (NAS) is a departmental structure under the Office of the President of Mahidol University. NAS locates at the university’s Nakhonsawan campus project in Khao Thong Village, Payuha Khiri District, Nakhon Sawan, Thailand. The campus is approximately 220 km north of Bangkok.

NAS is a studiorum, that is an academic ecological system of fostering new knowledges and new concepts in descriptions of natural systems or even social systems via the scenario of physics and its theoretical philosophy. Based on concepts of critical reasoning, NAS explores universal aspects of theories for various systems. NAS enjoys asking of what good theories should be like and what should be a central ideas of the “theory of theories”. Not only looking for beautiful theories of nature, NAS as well looks for beautiful nature of theories. These concepts could sprang from critical and thoughtful observations. NAS visualizes theoretical physics research, not only, as synthesizing new knowledge but also new views of how we look at theories. At present, NAS’s research areas are:

1. Cosmology and Gravity
2. Mathematical Physics and Theoretical High Energy Physics
3. Complexities
4. Thermodynamics Formulation of Economics and Social Systems.

Introduction to NAS

NAS styles its terms as named academic terms to honor great scientists in the fields of high energy physics, cosmology and complexities. These are

1st term: Dirac's term

2nd term: Sciama's term

Summer term: Boltzmann's term

NAS offers academic program towards Mahidol University's Doctor of Philosophy degree program in Theoretical Physics and Natural Philosophy and NAS' own certifications. Academic regalia of NAS members are designated with their academic epitomes decorated with ribbon or/and rope with colours as follow,

NAS Director [ribbon: Magenta, Yellow, Purple]

[ริบบิ้นสีบานเย็น กับ ริบบิ้นสีเหลือง กับ ริบบิ้นสีม่วงอ่อน]

NAS Faculty [ribbon: Yellow, Purple]

[ริบบิ้นสีเหลือง กับ ริบบิ้นสีม่วงอ่อน]

NAS Research Staff [ribbon: Purple, Ocean Green]

[ริบบิ้นสีม่วงอ่อน กับ ริบบิ้นสีเขียวมรกต]

Certificate of Advanced Studies in Theoretical Physics

CertAdvSt (Theoretical Physics)

ประกาศนียบัตรการศึกษาขั้นสูงทางฟิสิกส์ทฤษฎี

[a pair of rope: red, one rope: grey][เชือกสีแดง 2 เส้น เชือกสีเทา 1 เส้น]

Introduction to NAS

Certificate of Advanced Studies in Complexities

CertAdvSt (Complexities)

ประกาศนียบัตรการศึกษาชั้นสูงทางสภาพซับซ้อน

[a pair of rope: yellow, one rope: grey][เชือกสีเหลือง 2 เส้น เชือกสีเทา 1 เส้น]

Diploma of Research

DipRes

วุฒิปัตรวิจัย

[ribbon: ocean green][ริบบิ้นสีเขียวมรกต]

Certificate in Graduate Physics

CertGradPhys

ประกาศนียบัตรฟิสิกส์บัณฑิตศึกษา

[a pair of rope: pink][เชือกสีชมพู 2 เส้น]

Certificate of Paradigms Studies in Elementary Physics

CertPStEPhys

ประกาศนียบัตรกระบวนทัศน์ศึกษาในฟิสิกส์ขั้นต้น

[a rope: purple][เชือกสีม่วงอ่อน 1 เส้น]

NAS supporting staff and students without NAS qualification

[epitoge without decoration] [ไม่ประดับ]

At NAS, series of Khongthong Seminars is our traditional seminar series. Apart from this, other technical seminal meeting such as cosmology journal club, cosmology hand-on discussion, complexity@2pm and Eulers clinic are also run regularly.

Reports to the Convocation

(18 November 2020-25 October 2023)

Timelines

- **23 Sept 2020** Burin Gumjudpai's arrival
- **2 Nov 2020** First temporary office NAS 1 in Science Lab Bld-MUNA
- **7 Nov 2020** NAS establishing project joins SIP+ Consortium as the 20th member.
- **23 Nov 2020** Burin Gumjudpai appointed as NAS Acting Director
- **18 Nov 2020** Mahidol University Council approves the NAS establishing proposal.
- **1 March 2021** Nandan Roy, Pradeep Bhadola and Kumar Abhinav join NAS.
- **3 June 2021** Using of NAS 2 (Plainuen Cottage)
- **12 July 2021** First lecture of the first NAS PhD prep course, classical dynamics
This is proceeded by the First Khaothong Seminar Series 1 no. 1. Academic terms are announced in the seminar to be dubbed, 1st term: Dirac's term | 2nd term: Sciama's term | Summer term: Boltzmann's term.
- **16-07-2021** NAS Thai name for "studiorum" is changed from อักษรมหาวิทยาลัย to สภามหาวิทยาลัย.
- **2 August 2021:** Burin Gumjudpai appointed as Professor of Theoretical Physics, retroactive from March 2019
- **17 August 2021:** NAS Cosmology Journal Club Season 1
- **28 Oct 2021:** Mahidol University awards a 5 million THB-MRC grant to NAS.
- **2 July 2022:** The little blue (our portable NAS logo light tablet, our first NAS logo sign) arrived NAS 1.

Reports to the Convocation

(18 November 2020-25 October 2023)

Timelines

- **1-3 July 2022:** NAS runs its first NAS Academy on Paradigms of Physics.
- **5 July 2022:** NAS Channel launched.
- **16 July 2022:** Newton Society of Khaothongpittayakhom School founded
- **1 August 2022:** Thiti Sirithanakorn joins NAS.
- **1 September 2022:** Masroor C. Pookillath's (first postdoctoral research fellow) arrival
- **15-18 September 2022:** NAS Research Workshop 1 at Uthai Riverlake
- **16 November 2022:** Ph.D. program approved by Mahidol University Council, "NAS White Stand" banner installed
- **13 December 2022:** Staff move their offices to NAS studiorum.
- **6 February 2023:** Manabendra Sharma joins NAS.
- **20 March 2023:** Inauguration of NAS office
- **24 May 2023:** Ph.D. admission interview for the first time
- **31 May 2023:** Euler's Clinic initiated
- **7 June 2023:** Cafe Principia opening
- **30 June-2 July:** The 2nd NAS Academy on Paradigm of Physics
- **20 - 23 July 2023:** The 1st NAS Basic Camp
- **5 August 2023:** 2nd Cafe Fisica at Good Old Days Cafe' and Bistro
- **7 August 2023:** first-PhD lecture
- **4 October 2023 (15.30):** Diploma of Research, Certificate in Graduate Physics, Certificate of Advanced Studies in Theoretical Physics and Certificate of Advanced Studies in Complexities start.

Reports to the Convocation

(18 November 2020-25 October 2023)

People

- Faculty Member: 6
- Research Staff: 1
- Supporting Staff: 1 + 1 (P/T Project Funded)
- PhD Students: 2
- Diploma Students: 3
- Long-Term Visiting Student: 1
- Hon. Fellow: 2

Research Outputs

- International Publications: 21
- Conference Presentations: 17

Seminars and Talks

- External Talks: 11
- KT Seminar: 42
- Cosmology Journal Club: 40
- Cosmology Hand-on Discussion: 3
- Complexity@2pm: 3

Academic Support to PhD student

- Euler's Clinic: 7

Conferences/Workshops

- ·NAS Research Workshop: 1

Reports to the Convocation

(18 November 2020-25 October 2023)

Higher Level Fest Schools or Advanced Trainings

- NAS Academy on Paradigms of Physics: 2
- NAS Basic Camp: 1
- Advanced School: 2
- SIP+ Fest School/SIP+ Short Courses: 3

High School Supporting

- NAS Mana Physics Camp in High School: 4
- Newton Society school teaching events: > 15
- Schools Volunteered Teaching: 6

Public Outreach

- Café' Fisica and Public Forum: 3

Simple & Elegant

เรียบง่าย และ สง่างาม

