



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



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

4 October 2024

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

Homepage: <https://na.mahidol.ac.th/nas2020/>

Youtube Channel: NAS Mahidol

FB Page: Nakhonsawan Studiorum for Advanced Studies - NAS

NAS CONVOCATION 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 upon NAS' graduands. Herewith the convocation, new student matriculation (studentship accepting ceremony) is to be held as a part of the event. Honorable guests are invited to witness the event.

The Second Convocation and Matriculation

<p>9.45 (Inside NAS)</p>	<p><u>Internal ceremony</u> NAS Director, faculty members and research staff stand by inside the NAS hallway.</p>	<p>Musical Programs (in chronological order) 1. Enigma-variations-nimrod (Elgar)</p>
<p>9.55</p>	<p>Master of Ceremony (MC - Ms. Mounsook) welcomes and informs program of the morning.</p>	<p>2. Top Gun Opening Theme (From "Top Gun")</p>
<p>10.00</p>	<p>Procession (in academic dress with NAS epitoge regalia) 1. NAS Director and Professor: Burin Gumjudpai 2. Lecturer: Pradeep Bhadola 3. Lecturer: Kumar Abhinav 4. Lecturer: Thiti Sirithanakorn 5. Lecturer: Manabendra Sharma 6. Postdoctoral Research Fellow: Masroor C. Pookkillath Be seated outside at staff row is Nandan Roy (full gown without epitoge regalia)</p>	<p>3. The John Dunbar Theme (From "Dances with Wolves") (John Barry) 4. Pomp and Circumstance (Elgar) 5. The John Dunbar Theme (From "Dances with Wolves") (John Barry)</p>
<p>10.05</p>	<p>MC summons of NAS Director to the podium. NAS Director gives welcome speech and reports on NAS' activities and progress in the previous year from the 5th October 2023 to the 30th September 2024.</p>	<p>6. Top Gun Anthem (From "Top Gun") 7. Glory of Love (Instrumental) (Peter Cetera)</p>
<p>10.15</p>	<p>Vice-President (or representative) addresses the congregation.</p>	<p>8. แสงสุดท้าย the last light (นั้งเล่น Version) - Bodyslam (Instrumental)</p>

The Second Convocation and Matriculation

10.20

Accepting of new staff member ceremony

MC summons

1.Nandan Roy

to the middle of the ceremony. NAS Director declares acceptance of membership of Nandan Roy. NAS Director decorates NAS' epitoge regalia to Nandan Roy.

Nandan Roy proceeds to faculty row of chair.

Accepting of new fellows ceremony

NAS Director announces that,

1.Professor Edouard B. Manoukian, Ph.D.

2.Sodcheun Wiboonsake, D.Sc.

who are absentee, are accepted to "NAS Honorary Fellowship".

Accepting of new associates ceremony

MC summons

1.Sompat Kaeoiam (ว่าที่ร้อยเอก สัมผัส แก้วเอี่ยม)

2.Keerati Komkongyou (นาย กิรติ คำคงอยู่)

to the middle of the ceremony. NAS Director declares acceptance of Sompat Kaeoiam and Keerati Komkongyou to the "Space Communicator Associateship".

MC summons

1.Direk Poonsrithai (นาย ดิเรก พูนศรีไทย)

2.Supanat Wongkrajang (นาย สุภณัฐ วงศ์กระจ่าง)

3.Thorn Intraprasart (นาย ธรณ์ อินทรประสาก)

to the middle of the ceremony. NAS Director declares acceptance of Direk Poonsrithai, Supanat Wongkrajang and Thorn Intraprasart to the "Physics Teacher Associateship".

NAS Director presents a "certificate of acceptance" and decorates epitoge regalia to the five associates. Photograph is to be taken as one by one and in group.

The Second Convocation and Matriculation

<p>10.35</p>	<p><u>Diploma and certificate awarding ceremony</u></p> <p>MC summons all graduands to the front of the convocation. They are 1.Amornthep Tita (DipRes)</p> <p>One by one, NAS Director calls name of the graduand so that he/she walks two steps up front from the line. The director speaks out the 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 the director. The director or honorable guest (the Vice President) 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.) NAS Director announces that (graduand's name) is accepted to the qualification of diploma/cert... After that the graduand walks to pick up the qualification paper and proceeds to sign their name 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 applause from the audience. Photograph is to be taken. Finally the graduates proceed back to their seats.</p> <p>Name of the graduands and qualifications: (1) Amornthep Tita, Diploma of Research (regalia ornamenting by Professor Burin Gumjudpai)</p>
<p>10.45</p>	<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. NAS acting director declares that new students are accepted. New students (including those who return) proceed to the faculty row of seats in this order (1) Pakkapon Phaitha (นาย ภคพล เปี้ยทา)</p>
<p>Dress codes: academic dress or full formal</p>	

The Second Convocation and Matriculation

10.45	<p>NAS Director decorates epitoge to student one by one before 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. student then moves to Pradeep Bhadola and so forth (Pradeep Bhadola, Kumar Abhinav , Thiti Sirithanakorn, Manbendra Sharma and Nandan Roy) for the wrist tying.</p> <p>When doing wrist tying one by one, each faculty member says, “May my hand be your hand” “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>NAS Director announces closing of the ceremony. Procession of staff back to NAS hallway.</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 event. MC invites staff and guests for the refreshments in a circle of chairs. MC invites each participant to express their feeling.</p>
Dress codes: academic dress or full formal	

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... จะตระหนักในคุณค่าแห่งความรู้และปัญญาที่ได้รับจากคณาจารย์แห่งศึกษาลัยเพื่อการค้นคว้าขั้นก้าวหน้า ข้าพเจ้าจะใช้ความรู้และปัญญานี้เพื่อความถูกต้องและความชอบธรรม ข้าพเจ้าจะใช้ความรู้และปัญญานี้ด้วยความเมตตาเพื่อประโยชน์ของมวลมนุษยชาติ ข้าพเจ้าจะทรงความรู้นี้ไว้โดยปราศจากความหยิ่งยะโสโอหัง ความลำพองตน หรือการโอ้อวดดูหมิ่นดูถูกผู้อื่น ข้าพเจ้าจะดำรงไว้ซึ่งคุณธรรมแห่งบัณฑิต ข้าพเจ้าจะรักษาคำปฏิญาณตนนี้ไว้เพื่อเกียรติยศและเกียรติภูมิแห่งตัวข้าพเจ้าเอง และเกียรติยศและเกียรติภูมิแห่งศึกษาลัยเพื่อการค้นคว้าขั้นก้าวหน้า

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 be 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 นายนางสาวจะตระหนักในคุณค่าแห่งความรู้และปัญญาที่จะได้เรียนจากคณาจารย์แห่งศึกษาลัยเพื่อการค้นคว้าชั้นก้าวหน้า ในฐานะศิษย์ข้าพเจ้าเรียนด้วยวิริยะอุตสาหะและเต็มใจร่วมรับใช้ศึกษาลัยเพื่อเกียรติของศึกษาลัย ข้าพเจ้าจะอ่อนน้อมถ่อมตนในการเรียนรู้ความรู้ต่างๆ โดยปราศจากความหยิ่งยะโสโอหัง ความลำพองตน หรือการโอ้อวดดูหมิ่นดูถูกผู้อื่น ข้าพเจ้าจะดำรงไว้ซึ่งคุณธรรมแห่งศิษย์ ข้าพเจ้าจะเคารพความพยายาม ความเมตตา และเกียรติของคณาจารย์ของศึกษาลัย ข้าพเจ้าจักรักษาคำปฏิญาณตนนี้ไว้ เพื่อเกียรติยศและเกียรติภูมิแห่งตัวข้าพเจ้าเองและเกียรติยศและเกียรติภูมิแห่งศึกษาลัยเพื่อการค้นคว้าชั้นก้าวหน้า

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

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

NAS' Key Value: "Simple and Elegance"

NAS Academic regalia

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 epitoges decorated with ribbon or/and rope with colours as follow,

NAS Director [ribbon: Magenta, Purple]
[ริบบิ้นสีบานเย็น กับเดียงบน ริบบิ้นสีม่วงอ่อน]

NAS Faculty [ribbon: Yellow, Purple]
[ริบบิ้นสีเหลือง กับเดียงบน ริบบิ้นสีม่วงอ่อน]

NAS Research Staff [ribbon: Purple, Ocean Green]
[ริบบิ้นสีม่วงอ่อน กับเดียงบน ริบบิ้นสีเขียวมรกต]

Certificate of Advanced Studies in Theoretical Physics

CertAdvSt (Theoretical Physics)

ประกาศนียบัตรการศึกษาชั้นสูงทางฟิสิกส์ทฤษฎี

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

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

วุฒิปับตรวิจัย

[ribbon: ocean green][ริบบิ้นสีเขียวมรกต]

NAS Academic regalia

Certificate in Graduate Physics

CertGradPhys

ประกาศนียบัตรฟิสิกส์บัณฑิตศึกษา

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

Certificate of Paradigms Studies in Elementary Physics

CertPStEPhys

ประกาศนียบัตรกระบวนการทัศนศึกษาในฟิสิกส์ขั้นต้น

[a rope: purple][เชือกสีม่วงอ่อน 1 เส้น]

NAS Honourary Fellows [ribbon: Purple] [ริบบิ้นสีม่วงอ่อน]

NAS Associates, Supporting Staff and Students without NAS qualification [epitoge without decoration] [epitoge เปล่า]

Reports to the Convocation

(18 November 2020-3 October 2024)

Brief 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 สภชาลัย.
- 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.
- 1-3 July 2022: NAS runs its first NAS Academy on Paradigms of Physics

Reports to the Convocation

(18 November 2020-3 October 2024)

Brief Timelines

- 5 July 2022: NAS Channel launched.
- 16 July 2022: Newton Society of Khaothongpittayakhom School was created.
- 1 August 2022: Thiti Sirithanakorn joins NAS.
- 1 September 2022: Masroor C. Pookillath (first postdoctoral research fellow) started his job.
- 15-18 September 2022: NAS Research Workshop 1 @ Uthai Riverlake
- 16 November 2022: Ph.D. program approved by Mahidol University Council. “NAS White Stand” banner is 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 is 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 programs open.

Reports to the Convocation

(18 November 2020-3 October 2024)

Brief Timelines

(5 October 2023 – 30 September 2024)

- 26 October 2023 (9.30): NAS' First Convocation and Matriculation
- 11 January 2024 (17.11): "Arrival of Mitri"
A seven-meter high ต้นกระพี้จั่น (Milletia brandisiana Kurz) twisted with ต้นกุ่มบก (sacred garlic pear or temple plant) is planted today at 17.11 near the "White Stand".
- 26-27 January 2024 (18.00-22.00): The 3rd and the 4th Cafe Fisica at Beuang Borraped Park
- 31 January 2024: Mahidol University appoints Prof. Burin Gumjudpai as NAS director. The appointment is retroactive from the 24 January 2024.
- 10-14 June 2024: NAS hold "CosmoGravitas"
- 13 July 2024: The 6th Cafe' Fisica Public Forum at Good Old's Day Cafe'
- 12-13 September 2024: The 24th NAS Mana Physics Camp at Phaisali Pittaya School
- 19 September 2024: 2024 NAS Seminar Day

NAS People up to October 2024

- Faculty Member: 6
- Research Staff: 1
- Supporting Staff: 1 + 1 (P/T Project Funded)
- PhD Students: 4
- Diploma Students: 3
- Hon. Fellows: 2
- Associates: 5

Reports to the Convocation

(18 November 2020-25 October 2023)

Research Outputs in year 2023

- International Publications: 11
- Conference Presentations: 5

Seminars and Talks in year 2023

- External Talks: 3
- KT Seminar: 17
- Cosmology Journal Club: 12
- Cosmology Hand-on Discussion: 0
- Complexity@2pm: 4

Academic Support to PhD student in year 2023

- Euler's Clinic: 7

Conferences/Workshops in year 2023

- CosmoGravitas 2024

Higher Level Fest Schools or Advanced Trainings in year 2023

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

Reports to the Convocation

(18 November 2020-25 October 2023)

High School Supporting in year 2023

- NAS Mana Physics Camp in High School: 1
- Newton Society school teaching events: > 15

Public Outreach in year 2023

- Café' Física and Public Forum: 1

