

Sri Lanka Association for the Advancement of Science 80th Annual Session

"Harnessing the Power of Sciences for Societal Transformation" $From~08^{th}-13^{th}~December~2024$

EVENT DATE TIME VENUE						
Ceremonial Inauguration and	Sunday -	2.00 pm -	Jasmin Hall, BMICH			
Award Ceremony	08 th	5.00 pm	Colombo 07			
	Monday -	8.00 am -	Crystal Ballroom, Taj Samudra, Colombo			
Theme Seminar	09 th	4.00 pm				
Conference Dinner	Monday - 09 th	7.30 pm	Anthurium, Taj Samudra, Colombo			
Sectional Business Meetings	Tuesday - 10 th	10.15 am - 11.15 am	Faculty of Science University of			
Scientific Sessions	Tuesday - 10 th	8.00 am - 5.00 pm	Colombo			
Presidential Addresses	Tuesday - 10 th	8.00 am - 5.00 pm	Business Meetings A NZSR [04] B R 111 [17]			
Poster Session	Tuesday - 10 th	8.00 am - 5.00 pm	C PLR 2 [16] D PLS 2 [05] E1 IFS [16] E2 NCLT [08]			
Scientific Sessions	Wednesday - 11 th	8.00 am - 5.00 pm	E3 SLT B [18] F SLT C [18]			
Presidential Addresses	Wednesday - 11 th	8.00 am - 5.00 pm	Presidential Addresses <i>CLT [07]</i>			
Poster Session	Wednesday - 11 th	8.00 am - 5.00 pm	Poster Sessions			
GRC Mini Symposium	Wednesday - 11 th	9.00 pm - 12.00 pm	ILC [10]			
Special Council Meeting	Wednesday - 11 th	5.00 pm - 7.00 pm	GRC Mini Symposium <i>ILC [10]</i>			
Astronomical Night Sky Observation Camp	Wednesday - 11 th	7.00 pm - 10.00 pm	Special Council			
All Island School Inventors Competition/Exhibition (Conducted by SLAAS in collaboration with Sri Lanka Inventors Commission)	Wednesday - 11 th & Thursday - 12 th	8.00 am - 5.00 pm	New Faculty Board Room [12] All Island School Inventors Competition/Exhibition Dept. of Physics [16]			
Award Ceremony – School Awardees	Thursday - 12 th	9.00 am - 12.00 pm	IDTDS Mini Symposium ILC [10]			
Departmental Events	Thursday - 12 th	1.00 am - 5.00 pm	Award Ceremony - School Awardees			
IDTDS Mini Symposium	Thursday - 12 th	1.00 am - 5.00 pm	ILC [10]			
Annual General Meeting (SLAAS members only)	Friday - 13 th	10.00 am - 12.30 pm	SLAAS Headquarters Vidya Mawatha, Colombo7			

"Harnessing the Power of Sciences for Societal Transformation"

Ceremonial Inauguration

(Invitees Only)

Sunday, December 08, 2024 at 2.00 pm

at the

Jasmin Hall

BMICH, Colombo 07

Chief Guest Professor Malik Ranasinghe

Emeritus Professor at the University of Moratuwa, Vice President of the National Academy of Sciences, Sri Lanka, Former Vice Chancellor of the University of Moratuwa.

Guest of Honour Mr. Ranil Vitarana

Chief Innovation Officer and Chief Technology Officer of MAS Holdings

2.00 pm	Arrival of Members and Guests				
2.20 pm	Arrival of the Chief Guest & Guest of Honour				
2.30 pm	Introduction of Members of the Council				
2.40 pm	Commencement of the Ceremonial Procession				
2.45 pm	Lighting of the Traditional Oil Lamp				
2.55 pm	National Anthem				
3.00 pm	Welcome Address Professor Ramanee D Wijesekera, General President / SLAAS				
3.05 pm	Felicitations from Sister Associations				
3.15 pm	Address by the Guest of Honour Mr. Ranil Vitarana Chief Innovation Officer and Chief Technology Officer of MAS Holdings				
3.35 pm	Address by the Chief Guest Professor Malik Ranasinghe Emeritus Professor at the University of Moratuwa, Vice President of the National Academy of Sciences, Sri Lanka, Former Vice Chancellor of the University of Moratuwa				
3.55 pm	Address by the General President, Professor Ramanee D Wijesekera				
4.35 pm	Presentation of Awards				
5.20 pm	Vote of Thanks Professor Udeni P Nawagamuwa, General President-Elect, SLAAS				
5.25 pm	Refreshments				

"Harnessing the Power of Sciences for Societal Transformation"

Theme Seminar

Monday, December 09, 2024 from 8.00 am - 4.00 pm

at the

Crystal Ballroom

Taj Samudra, Colombo

8.00 am	Registration				
8.30 am	Lighting of the Traditional Oil Lamp				
8.45 am	National Anthem				
8.50 am	Introductory Remarks & Welcome Address Professor Ramanee D Wijesekera, General President Sri Lanka Association for the Advancement of Science				
9.00 am	Persistent Organic Chemicals in the Waste Stream: An Obstacle to the Circular Economy? Professor Stuart Harrad				
9.40 am	Leveraging Science for Societal Transformation: Challenges of the Anthropocene - The Case of Plastics in Society Dr. Janaka de Silva				
10.20 am	Refreshments				
10.40 am	Knowledge Co-production and Biodiversity Financing for a Transformational Economy Dr. Beria Leimona				
11.20 am	Panel Discussion Moderator: Professor Mahesh Jayaweera				
11.45 am	Lunch				
12.45 pm	The Huge Implications of the Digital Transformation and Generative AI for Science, Society, and Education Professor Richard M. Hartshorn				
1.25 pm	Opportunities and Challenges of Robotics for Societal Transformation Professor Lakmal Seneviratne				
2.05 pm	Panel Discussion Moderator: Dr. Ruwan Weerasinghe				
2.30 pm	Closing Remarks Dr. R D Guneratne				
2.45 pm	Vote of Thanks Dr. Darshana Lakmal Weerawarne				
2.55 pm	Refreshments				

"Harnessing the Power of Sciences for Societal Transformation"

GRC Mini -Symposium on 'Catalyzing Research for a Resilient Sri Lanka: Challenges and Opportunities'

Wednesday, December 11th, 2024 from 9.00 am – 12.00 pm at the Faculty of Science University of Colombo

Sri Lanka is at a critical juncture where research and innovation are pivotal in driving the country's economy with a focus on sustainable development. The proposed half-day minisymposium, will serve as a platform to bring together the policy makers, industry leaders, and academic institutions, top researchers in Sri Lanka, alongside funding agencies, to discuss and strategize on the future of research for the nation's development.

Keynote address

Prof. Ajith Alwis

Professor of Chemical and Process Engineering at University of Moratuwa and Chief Innovation Officer, National Innovation Agency

Moderator

Dr. Shanika Jayasekara

CEO, National Research Council

Event Coordinators

Prof. Shiromi Karunaratne and Dr. Thelma Abeysinghe

"Harnessing the Power of Sciences for Societal Transformation"

All Island School Inventors Competition/Exhibition

Conducted by SLAAS in collaboration with Sri Lanka Inventors Commission

Wednesday, December 11th, and Thursday, December 12th, 2024 from 8.00 am – 5.00 pm

at the

Department of Physics Faculty of Science University of Colombo

Astronomical Night Sky Observation Camp

Organized by the Astronomical Society, University of Colombo

Wednesday, December 11th, 2024 from 7.00 pm - 10.00 pm

at the

University Playground.

"Harnessing the Power of Sciences for Societal Transformation"

Special Sessions on Interdisciplinary and Transdisciplinary Studies

Thursday, 12th December 2024 from 1.00 pm - 5.00 pm

Faculty of Science University of Colombo

Programme

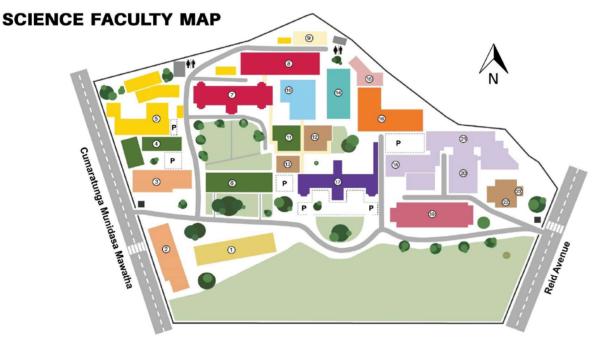
12.30 pm - 1.00 pm	Registration of presenters and participants
1.00 pm -	Welcome address and opening remarks
1.05 pm	Prof. Sumedha Jayanetti, Chairperson, SLAAS Committee on IDTDS
1.05 pm - 1.15 pm	Introductory Speech
	Prof. Ranjith Senaratne,
	Immediate Past General President, SLAAS
	Keynote speech by <i>Prof. Gamini Rajapakse</i> "Innovative Pathways from Minerals to
1.15 pm -	Market: Interdisciplinary Approaches in High-Impact Nanomaterials and Sustainable
1.15 pm -	Technologies"
1.43 pm	Senior Professor, Department of Chemistry, Faculty of Science, University of
	Peradeniya, Sri Lanka
	Keynote speech by <i>Dr. David G. Owen</i> "Getting to 360 solutions – a
1.45 pm -	transdisciplinary studies approach"
2.15 pm	Associate Professor and MSc Business Management Programme Leader,
	Plymouth Business School, Plymouth University, UK
2.15 pm -	IDTDS 107: Improving employability of secondary school graduates through
2.30 pm	learner-centred transdisciplinary andragogy: A collaborative intervention
2.30 pm	T.A.R. Weerasinghe* and M.V. Vithanapathirana
	IDTDS 129: Empowering early childhood education: A cross-sectional study of the
2.30 pm -	Cargills early childhood education programme through public-private partnership
2.45 pm	L.R. Page Ranabahu*, M.A.A.S. Dias, S.K. Arangallage, K.D.D.L.F. Gunasekara,
	and H.M.N.S. Harankahawa
	IDTDS 135: Balancing act: salinity intrusion dynamics in coastal erosion
2.45 pm -	management
3.00 pm	H.M.D.S. Wijerathne*, R.S.M. Samarasekara, Niranji Satanarachchi, Meththika
	Vithanage, and H.M.A. Lakmal
3.00 pm - 3.30 pm	Refreshments

	IDTDS 137: An intervention for the integration of introductory AI technologies to					
3.30 pm -	enhance academic and professional capacities: A case study of stakeholder					
3.45 pm	experiences in a transdisciplinary context					
	Samadara Amarasinghe*, Manjula Vithanapathirana, and Manjula Savey					
3.45 pm - 4.00 pm	IDTDS 82: Formulation of <i>Hygrophila auriculata</i> (Neeramulliya) based herbal tea					
	with anti-urolithiatic activity (prevention of kidney stone formation)					
	S.R.G.R. Madushan*, H.R.G. Jayawardhana, T.C. Kananke, R.M.K.T. Rathnayaka,					
	R.M.U.S.K. Rathnayaka, M.N. Wickramaratne, G.P.L. Supulchandra, and M.G.A.N.					
	Perera					
4.00 pm - 4.15 pm	IDTDS 142: Genetic affiliations of Ceylonese Combtail (Belontia signata)					
	populations in three Sri Lankan river basins					
	N.A. Liyanarachchi, T.S.P. Fernando, and D.K. Weerakoon*					
1 15 pm	IDTDS 160: A transdisciplinary innovation to introduce a model for children's					
4.15 pm - 4.30 pm	drama for Sri Lanka: An action research					
	H.M.R.C. Hathlahawatta*					
4.30 pm -	Issuance of certificates to the presenting authors					
4.40 pm	issuance of certificates to the presenting authors					
4.40 pm - 4.50 pm	Concluding remarks and Vote of thanks					
	Dr. Pasan Bandara,					
	Secretary, SLAAS Committee on IDTDS					

80th Annual Session of Sri Lanka Association for the Advancement of Science "Harnessing the Power of Sciences for Societal Transformation"

Main Session Layout

	Monday Tuesday, Wednesday,				Thursday,
	December 09	December 10	December 11		December 12
Session I 08.00-09.15		• Oral presentations • Poster presentation	 Oral presentations School inventors' exhibition Poster presentation 		
09.15-10.15		Presidential address	Presidential address	GRC Mini symposium	• Award Ceremony – School Awardees
10.15-11.15	-	Business meetings	Presidential address		
11.15-11.30]3			RC	• School
Session II 11.30-12.30	Theme Seminar	Presidential addressPoster presentation	Presidential address Poster presentation School inventors' exhibition	(B)	inventors' exhibition
12.30-01.15	ן ב				
Session III 01.15-03.15	The	Presidential addressPoster presentation	 Presidential address Poster presentation School inventors' exhibition 		
03.15-03.30					• IDTDS
Session IV 03.30-05.00		Oral presentationsPoster presentation	 Oral presentations Poster presentation School inventors' exhibition 	symposium • School inventors' exhibition	
7.30	Conference Dinner		Astronomical Night Sky Observation Camp	7	



- Student Service Centre (Upcoming)
- Department of Nuclear Science Department of Statistics New Building

- Department of Statistics New Suilding Climate Change Research Laboratory Department of Plant Sciences (NBLT) Department of Zoology and Environment Scie Chemistry Lecture Theatre (NLT / PLT / CLT) Department of Chemistry

- 9. 10. 11. 12. ITSC / Tissue Culture Building
- Information & Learning Centre Natural History Museum Dean's Office
- 13. 14. 15. Dean's Office
 - King George's (KG) Hall New IS & MF Laboratory
- Department of Physics (PLR I / PLR II / PLR III / NPLT) Department of Mathematics (C22) Department of Statistics
- 16. 17. 18. 19. New Arts Theatre
- Professor V K Samaranayake Memorial Auditorium University of Colombo School of Computing (UCSC) Marshal's Office Medical Centre
- 20. 21. 22. 23.

SLAAS Venues

SLAAS office

Department of Physics lobby (Ground floor) 16

Session venues and Business meetings

Section A - Dept. of Zoology NZSR (First floor) 04

Section B - Dept. of Mathematics R 111 (Ground floor) 17

Section C - Dept. of Physics PLR 2 (First floor) 16

Section D - Dept. of Plant Science PLS 2 (Ground floor) 05

Section E1 - Dept. of Physics IFS (Second floor) 16

Section E2 - Dept. of Chemistry NCLT (Ground floor) 08

Section E3 - Dept. of Statistics SLT B (Third floor) 18

Section F - Dept. of Statistics SLT C (Third floor) 18

Poster Presentations

Information & Learning Centre (ILC) (Ground floor) 10

Presidential address

Department of Chemistry - CLT (First floor) 07

Mini Symposium - GRC

Information & Learning Centre (ILC) 10

IDTDS Sessions

Information & Learning Centre (ILC) (Auditorium) 10

School inventors' exhibition

Department of Physics 16

Rest room for SLAAS guests

Department of Physics (Ground floor) 16

Parallel activities

Chemical magic show - Department of Chemistry 08 Holography - astronomy - Department of Physics 16 Museum visit - Department of Zoology 11 Herbarium visit – Department Plant Science 05 Visit to Nuclear Science Department - 02

Council Meeting

New Faculty Board Room - 12

Refreshments

Information & Learning Centre (ILC) (Ground floor)