



Awards and Scholarship Committee

Martin Wüest
Chair

Zoom
1 September 2022



Agenda

- IUVSTA Prize (Science and Technology)
- IUVSTA Welch Scholarship
- IUVSTA EBARA Award
- IUVSTA Elsevier Students Award



IUVSTA Prizes



IUVSTA Prize

Every three years IUVSTA awards two major prizes :

The IUVSTA Prize for Science

The IUVSTA Prize for Technology



IUVESTA Prize for Science

is awarded to recognize and encourage outstanding internationally-acclaimed research in the fields of interest to IUVESTA.



IUVSTA Prize for Technology

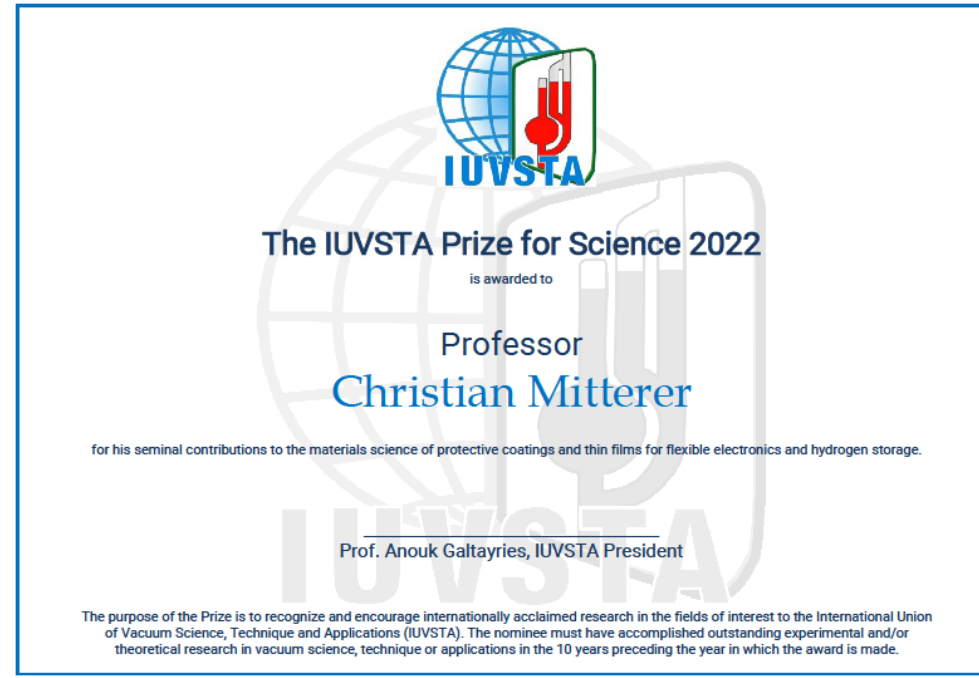
is awarded to recognize and encourage outstanding internationally-acclaimed achievements in technology and instrumentation in the fields of interest to IUVSTA.



IUVSTA Prize

consists of

- a cash award,
- a struck medal
- and a certificate





IUVSTA Prize for Science 2022



Christian Mitterer

Professor of Functional Materials and Materials Systems
Department of Materials Science
Montanuniversität Leoben
Leoben, Austria



For his seminal contributions to the materials science of protective coatings and thin films for flexible electronics and hydrogen storage



IUVSTA Prize for Technology 2022



Ian S Gilmore

Prof
NPL Head of Science
National Physical Laboratory, Hampton Road,
Teddington, Middlesex, TW11 0LW, UK



For pioneering advances in vacuum instrumentation enabling innovative multidisciplinary research and development.

IUVSTA Prize Lectures

Christian Mitterer

Thursday 16.00-16.45

"Physical Vapor Deposition of Thin Films: From Trial & Error via Knowledge-based Development to Sustainable Processes and Materials"

Ian Gilmore

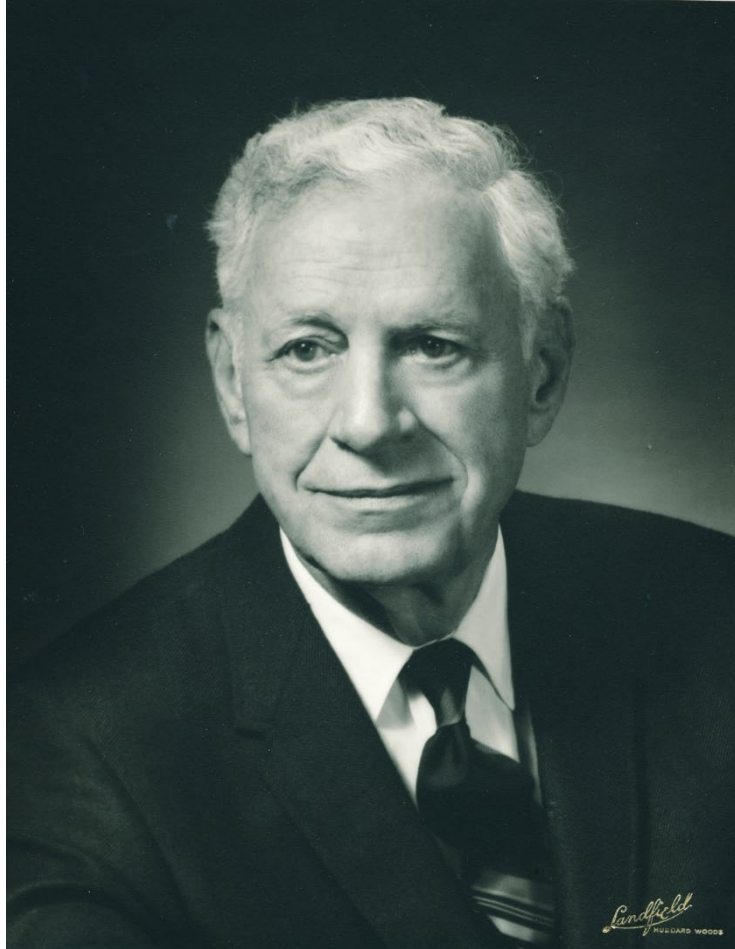
Thursday 16.45-17.30

"OrbiSIMS: Molecular identification AND localization at the micro to nanoscale"

Room A



IUVSTA Medard W. Welch International Scholarship Award



Medard W. Welch, 1st President of IUVSTA



IUVSTA Welch Award 2020

Pierre Vinchon

- Arrived in 14 April 2022 in Japan
- Will first do his JSPS Fellowship and then do the Welch stay.
- Will give an invited talk at IVC-22

15:00 Tue-H2-1I (Invited) Multiscale evolution of monolayer graphene following low-energy ion beam irradiations

Pierre Vinchon, Sjoerd Roorda, François Schiettekatte and Luc Stafford

Université de Montreal, Canada

- Will chair a session at IVC-22
Mon-H2: Plasma Science and Technologies





IUVSTA Welch Award 2021

Rémy Delaporte-Mathurin

Early January - End of March 2022 at MIT

Finished his stay, submitted his final report,
received all award money



Yanela Mendez González

19 February 2022 arrived in Madrid

Has received the second installment of the award





IUVSTA Welch Award 2022

03 Jan 2022

Donation from Mr. Bro received by AVS

25 Jan 2022

Donation from Mrs. Howard received by AVS

26 Mar 2022

Award Announcement (IUVSTA NewsFlash 34, Twitter, LinkedIn)

15 Jun 2022

Application Deadline

14 Sep 2022

Awardee Announcement





IUVSTA Welch Award 2022

- 9 applicants this year, but 2 disqualified

Applicant Country	Number
Brazil	1
China	1
Israel	2
Serbia	1
Sweden	1
Tunesia	1



IUVSTA Welch Committee Members 2019-2022

Name	e-mail	Continent	Organization	Gender	Term	ECM
Anton P.J. Stampfl, Chair	aps@ansto.gov.au	Australia	Research Lab	m	2018-2021	Chair CPC
Jay Hendricks	Jay.hendricks@nist.gov	America	Gov't Lab	m	Ex-Officio (2019-2022)	Chair STD
Arnaud Delcorte	Arnaud.delcortee@uclouvain.be	Europe	University	m	Ex-Officio (2019-2022)	Treasurer
Francisco Tabarés	paco.tabares@ciemat.es	Europe	Research Lab	m	2018-2020	No function
Jennifer MacLeod	Jennifer.macleod@qut.edu.au	Asia/ Pacific	University	f	2020-2025	Alt Counillor AUS
Enrico Maccallini	Enrico_Maccallini@saes-group.com	Europe	Industry	m	2018-2023	Alt Councillor Italy
Ana G. Silva	acs@fct.uni.pt	Europe	University	f	2018-2024	Rec Secretary & Chair ND

IUVSTA EBARA Award



APPLY AT
[IUVSTA.ORG](https://www.iuvsta.org)

ARE YOU AN EARLY-CAREER RESEARCHER
WORKING IN THE AREA OF VACUUM
SCIENCE AND TECHNOLOGY
WITH A PASSION FOR ENVIRONMENT?



IUVSTA EBARA Award 2022



Assistant Prof. Deep Jariwala

School of Engineering and Applied Sciences at
University of Pennsylvania, Philadelphia, USA

“Novel Thin-Film Materials and heterostructures
for Energy-Efficient Electronics and Photonics”



IUVSTA EBARA Award Lecture

Prof. Deep Jariwala

Two-Dimensional Materials and Heterostructures for Electronics and Photonics

Wednesday, September 14, 2022, 16:30

Including Award Ceremony



IUVSTA EBARA Award

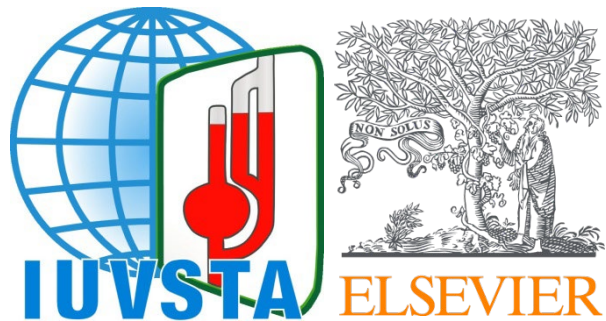
Country	Number of Applications
Portugal	1
Japan	2
UK	1
Israel	2 - 1 (MS)
Hungary	1
Belgium	1
Slovenia	1 f
USA	1
South Korea	1
Total	10



IUVSTA EBARA Award Committee

Name	Function	Country	Sex	Division	Organization
✓ Sylvie Bourgeois sbourg@u-bourgogne.fr	Chair	France	Female	SS	University
✓ Shinichi Sekiguchi 関口信一' <sekiguchi.shinichi@ebar.com>	Award sponsor representative	Japan	Male		Industry
✓ Julia Scherschligt julia.scherschligt@nist.gov	Member	USA	Female	VTD	Nat Inst
✓ Pedro Nascente nascente@ufscar.br	Member	Brazil	Male	SED	University
✓ Jörg Patscheider Joerg.patscheider@evatecnet.com	Member	Switzerland	Male	TF	Industry





IUVSTA Elsevier Student Travel Award

			EUR	Contacted/On web/ Winners announced/ report written
ICTF-2020	14-18 June 2020 postponed to 22-26 Nov 2020, 15 students conf fee student to attend EVC-16 in Marseille	Budapest, Hungary	2000	y/y/y/y
VASSCAA-10	11-15 Oct 2020 postponed to 11-14 Oct 2021, IUVSTA received 15 Sept 2020 EUR 2000 as intermediary due the postponement of VASSCAA-10. Transferred to CVS 6 on Sept 2021. 7 awardees selected.	Shanghai, China	2000	y/y/y/y
EVC-16	30 May-4 June 2021 Place holder for IUVSTA Elsevier Award Announcement on web site postponed to 21-26 Nov 2021. 6 students awarded	Marseille, France	2000	y/y/y/y
ECOSS 35	29 August – 2 Sept 2021 Now ECOSS 35 2020 postponed again to 29 Aug-2 Sept 2022 IUVSTA is intermediary due to budget regulations at Elsevier Three awardees selected	Luxembourg	2000	y/y/n/n
IVC-22	11-16 September 2022 Best presentation award. Approx. 8-10 students will be awarded at closing ceremony	Sapporo, Japan	4000	y/y/n/n
			----- 12000	

New MoU to be negotiated with Elsevier

Proposed Conferences to be supported:

2023: ICTF-19 Burgos (Spain) and
Conf XY, € 2000 each

2024: EVC-17 Manchester (United Kingdom) and
ECOSS-37, € 2000 each

2025: IVC-23 with VASSCAA-11, Sydney (Australia), € 4000

Present IUVSTA Awards and Prizes (2022)

Award	Aim	Frequency	Amount	Funding	Eligibility
IUVSTA Prize for Science	Recognize and encourage outstanding internationally-acclaimed research in the fields of interest to the IUVSTA.	Every 3 years with IVC	EUR 5000 + struck medal + certificate + travel expenses + Conference fee (IVC budget)	Previous donations from companies	Within 10 years preceding the year in which award is made
IUVSTA Prize for Technology	Recognize and encourage outstanding internationally-acclaimed achievements in technology and instrumentation in the fields of interest to the IUVSTA.	Every 3 years with IVC	EUR 5000 + struck medal + certificate + travel expenses + Conference fee (IVC budget)	Previous donations from companies	Within 10 years preceding the year in which award is made
IUVSTA EBARA Award	Recognizes an excellent young researcher or engineer for innovation in environmentally friendly solutions in the area of vacuum-related science and technologies.	Every 3 years with IVC	EUR 3000 + certificate + plaque + invited talk + conference fee (IUVSTA budget)	EBARA Company	Award for a person within 10 years after Ph.D. For past work
IUVSTA Welch Scholarship	Support a young postgraduate scientist for working for up to one year in a country in which he/she has not previously studied.	Every year	USD 15000	Mr. Bro Welch & Beth Howard USD 15000/yr	Postgraduate Scientist
IUVSTA-Elsevier Student Award	Partial financial support to attend IUVSTA meetings and conferences at which they are presenting a paper. Strive for gender balance	Yearly, selected conferences only	Depending on conference organizers (typ. EUR 500)	Elsevier grant EUR 12000 /3 yr	Postgraduate research student within 7 years of obtaining first degree at the start of the conference with not enough support to attend conference.
IUVSTA Peter Barna Award	Best conference presentation at ICTF	Every 3 years with ICTF	EUR 200 + certificate	IUVSTA	Ph.D. level

