



Awards and Scholarship Committee

Martin Wüest
Chair

ECM-130, Malmö, Sweden
June 29, 2019

Agenda

1. Opening
2. Attendance
3. Adoption of Agenda
4. Minutes of ASC meeting during ECM-129 in Regensburg, Germany
5. IUVSTA Prize Procedures
6. IUVSTA Ebara Young Scientist Award
7. IUVSTA Elsevier Students Award
8. IUVSTA Welch Scholarship
9. Any Other Business
10. Closing Remarks
11. Adjourn



IUVSTA Prize for Science 2019

David Phillip Woodruff

Professor Emeritus
Department of Physics
University of Warwick
United Kingdom



“For outstanding contributions to deepening our understanding of the structure of surface through the development and application of broadly applicable tools now widely available to the surface science community.”



IUVSTA Prize for Technology 2019

Reshef Tenne

Research (Emeritus) Professor
Department of Materials and Interfaces
Faculty of Chemistry
Weizmann Institute of Science, Rehovot
Israel



“For the discovery, synthesis, and characterization, of novel closed inorganic nanostructures, and enabling their implementation in tribological and mechanical technologies.”



2019 IUUVSTA Prize Timeline

- Announcement 1 August 2018
 - Application Deadline 25 January 2019
 - Selection 31 March 2019
 - Official Award 1 July 2019
 - Opening Session 09:00-0945
 - Prize Lecture
 - David Phillip Woodruff Mon 1 July 2019 11:00-11:45
 - Reshef Tenne Wed 3 July 2019 09:45-10:30
- In High Live 1



IUVSTA Prize for Science

2001	Kunio Takayanagi	Tokyo Institute of Technology	JP	surface EM& diffraction
2004	Joost W. M. Frenken	Leiden Univ	NL	SPM
2007	Albert L. Fert	Univ Paris Sud	F	GMR
2010	Peter B Barna	HAS	HU	Thin film
2013	Lars Samuelson	Lund	S	Nano growth
2016	Jean-Marie Dubois	Inst Jean Lamour/CNRS	F	quasicrystals
2019	David Phillip Woodruff	Univ Warwick	UK	Surface Science



IUVSTA Prize Statistics

	Technol	Sci	Total
NL	1	2	3
UK	2	1	3
JP	1	1	2
USA	2		2
KR	1		1
F		2	2
S		1	1
HU		1	1
IL	1		1
Total	8	8	16



IUVSTA
EBARA
AWARD

ARE YOU A YOUNG RESEARCHER WORKING IN THE AREA OF VACUUM SCIENCE AND TECHNOLOGY WITH A PASSION FOR ENVIRONMENT?

Apply at iuvsta.org

Take the chance and participate in a contest for the development of environmentally friendly vacuum technologies.

The winner will be awarded a prize to the amount of 3,000 euros at the IVC21 congress in Malmö/Sweden, July 1-5, 2019.



IUVSTA EBARA Young Scientist Award

- Award for a person within 10 years after Ph.D.
- For past work
- Dissemination: Web, National vac societies, IUVSTA newsflash, social media, scientific journals
- Frequency: every 3 years with IVC
- Application: Frama forms
- Evaluation: Special Committee that includes EBARA Scientist
- Award: EUR 3000 + invited talk at IVC.
 - IVC conference fee to come out of IUVSTA budget

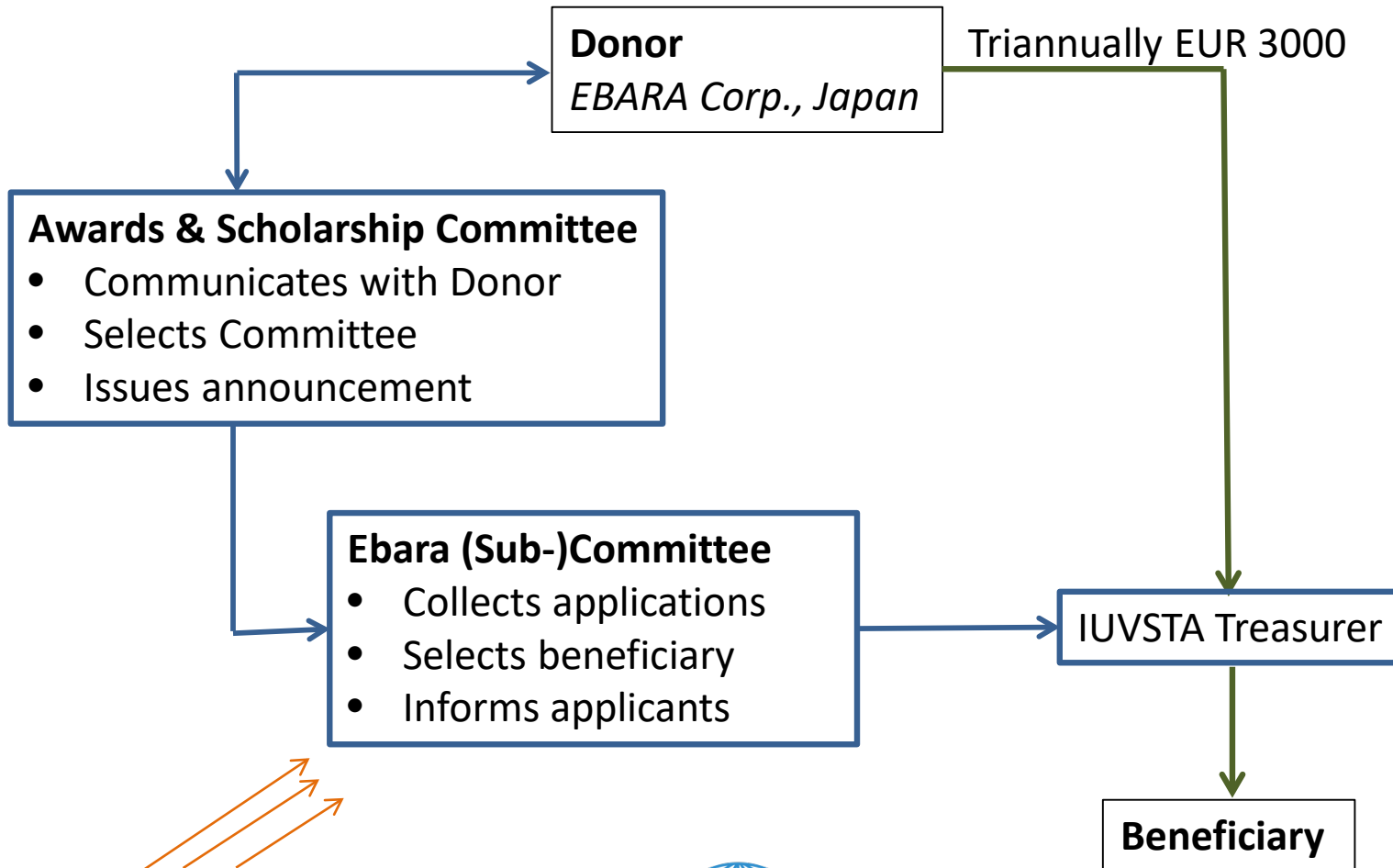


IUVSTA EBARA Award Committee

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@ebara.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 EBARA Award Set-up



Applications



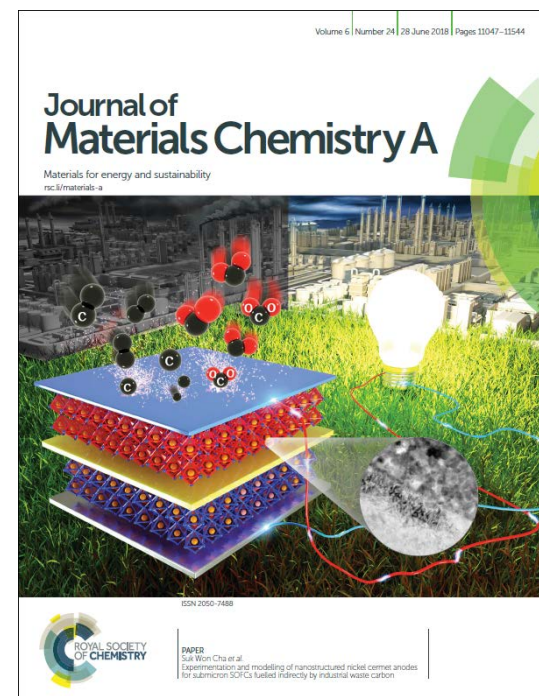
IUVSTA EBARA Award

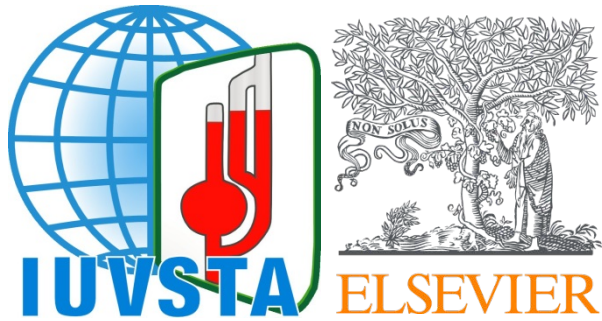
- Application dead line was March 15, 2019
- 8 applications received
- 7 satisfactory applications
- Winner announced May 6, 2019



IUVSTA EBARA Award Winner

- **Waqas Hassan Tanveer**
- Research Associate at Heriot Watt University, Edinburgh, UK.
- Biomass Integrated Solid Oxide Electrolysis (SOEC) Stack System Development for Low Carbon Jet Fuels
- BSc University of Engineering & Technology, Lahore, Pakistan
- MSc Seoul National University, Seoul, Korea
- PhD Seoul National University, Seoul, Korea
- **IUVSTA EBARA Award Ceremony**
 - Mon 15:30-16:00 (IUVSTA Anniversary Session)
- **Prize Lecture Mon 16:00-16:30**
 - The key role vacuum-based technologies are playing to improve efficiencies





IUVSTA Elsevier Student Travel Award

			EUR	On web/Winner announced/report written
ECOSS 33	27 Aug – 1 Sep 2017	Szeged, Hungary	2000	y/y/y
ICTF-17	13-17 Nov 2017	New Delhi, India	2000	y/n/n
EVC-15	17-22 June 2018	Geneva, Switzerland	2000	y/y/y
VASSCAA 9	2018	Sidney, Australia	2000	n
IVC-21 & ECOSS 35	1-5 July 2019	Malmö, Sweden	4000 -> 6000	y/y

			12000	

All organizers have been informed about the award

Announcement published on web for ECOSS 33, ICTF-17, EVC-15, IVC-21

ECOSS-33 winners listed on the web. Report written. Done

ICTF-17 had **no applicants** for Award. **No Award** given. Done. Unused funds could not be shifted.

EVC-15 had **no applicants** for Award. 2nd call to other needy students. Awarded after conference. Report written. Done.

Funding request for ECOSS-34 with unused ICTF-17 funds was turned down by Elsevier.

VASSCAA-9 no call published, despite several reminders! Funds could be shifted to IVC-21 -> EUR 6000.

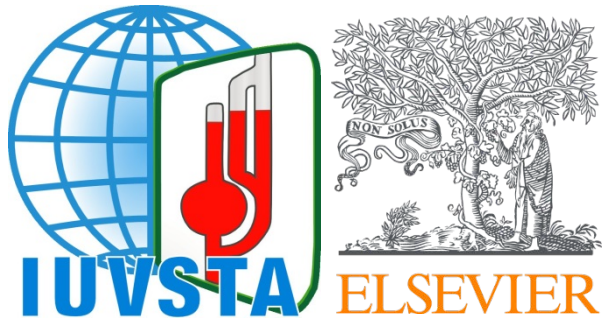
IVC-21 has 14 applications. 10 have been awarded and listed on web. (Would now have had funds for 12)

IVC-21 pays EUR 600 per awardee in the form of waived conference fee.



IUVSTA Elsevier Student Travel Award IVC-21 Awardees

Name	E-Mail	Organization	City
Ana Barragán	anabd89@hotmail.com	University of the Basque Country UPV/EHU	Donostia-San Sebastián
Andi Rabia	andi.rabia@polimi.it	Politecnico di Milano	Milano
Jiayi Zhang	908683372@qq.com	Central South University	Changsha
Anastasiia Fadeeva	nastya-fad@mail.ru	Omsk State Technical University	Omsk
Alexandros Tsimpoukis	atsimpoukis@uth.gr	University of Thessaly	Larissa
Kathrina Lois Taaca	kmtaaca@up.edu.ph	University of the Philippines-Diliman	Quezon City
Nikos Vasileiadis	nikovasi@mie.uth.gr	University of Thessaly	Volos
Mmapula Baloi	698479@students.wits.ac.za	University of the Witwatersrand	Johannesburg
Pornsawan Sikam	pornsawan.s@kkumail.com	KHON KAEN UNIVERSITY	Khon Kaen
Reza Kazemi	reza.pixy@gmail.com	Shiraz University	Shiraz



IUVSTA Elsevier Student Travel Award

New Memorandum of Understanding with Elsevier

No need for students to be from developing countries
but strive for gender equality

No need to submit before the conference abstract deadline

New spelling IUVSTA Elsevier instead of IUVSTA-Elsevier

Unused awards could be shifted to IUVSTA schools within the same year

Same amount of EUR 12'000 for the three years

Conferences supported

- 2020: ICTF-18 Budapest (Hungary) and VASSCAA-10 (China), 2000 € each
- 2021: EVC-16 (Marseille (France) or Dresden (Germany)) and ECOSS-36, 2000 € each
- 2022: IVC-22 Sapporo (Japan), €4000

IUVSTA Welch Award 2019

- 22 Jan 2019 Email by Kenneth M. Bro to continue fund the scholarship. His sister Beth Howard will also contribute.
- 26 March 2019 AVS has received USD 7500 from Beth Howard (sister)
- End of May 2019 other half from Kenneth Bro (brother) and his wife has been received
- Announcement for 2019 Award has been published on 14 April 2019

IUVSTA Welch Award 2019

- Received 6 applications
- Applicants are from FR, SE, CN, 2xES, IT
- Receiving institution are in UK, DE, SG, IT, ES, FR
- 3 applicants rated very closely

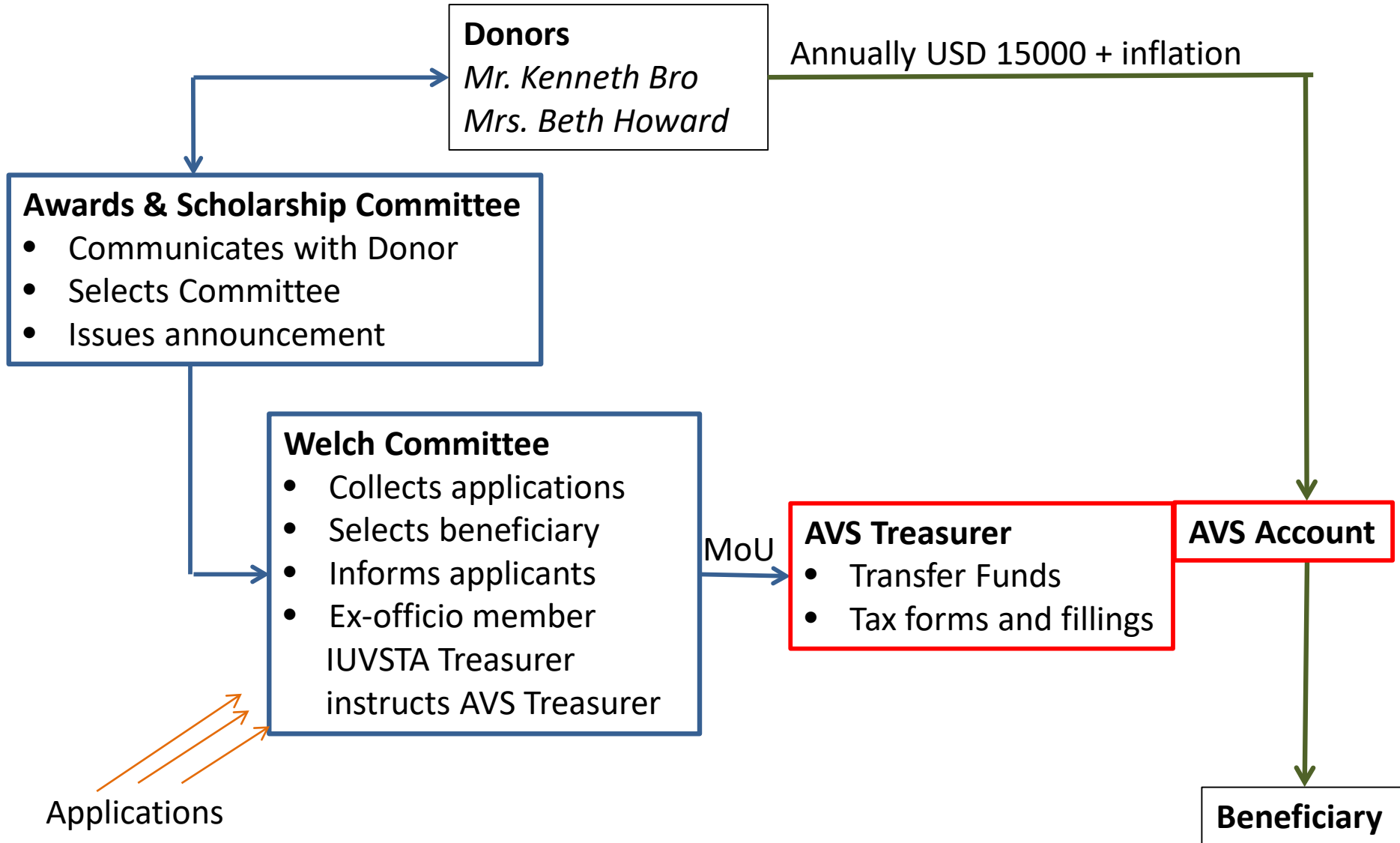
IUVSTA Welch Award 2019

Selected Clio Azina

from Linköping University

Going to RWTH Aachen, Germany

Welch Scholarship Set-up



IUVSTA Welch Committee Members 2018-2019

Name	e-mail	Continent	Organization	Gender	Term	
Anton P.J. Stampfl, Chair	aps@ansto.gov.au	Australia	Research Lab	m	2018-2021	√√
David Ruzic	druzic@ad.uiuc.edu	America	University	m	Ex-Officio (2018-2019)	√√
François Reniers	freniers@ulb.ac.be	Europe	University	m	Ex-Officio (2018-2019)	√√
Francisco Tabarés	paco.tabares@ciemat.es	Europe	Research Lab	m	2018-2020	√√
Hongjun Gao	hjgao@iphy.ac.cn	Asia	Research Lab	m	2018-2019	
Enrico Maccallini	Enrico_Maccallini@saes-group.com	Europe	Industry	m	2018	√√
Ana G. Silva	acs@fct.uni.pt	Europe	University	w	2018	√√

IUVSTA Welch Committee Members 2019-2022

Name	e-mail	Continent	Organization	Gender	Term	
Anton P.J. Stampfl, Chair	aps@ansto.gov.au	Australia	Research Lab	m	2018-2021	√√
Jay Hendricks	jay.hendricks@nist.gov	America	Research Lab	m	2019-2022 Scientific Director	√√
Arnaud Delcorte		Europe	University	m	Ex-Officio (2019-2022) Treasurer	√√
Francisco Tabarés	paco.tabares@ciemat.es	Europe	Research Lab	m	2018-2020	√√
Hongjun Gao	hjgao@iphy.ac.cn	Asia	Research Lab	m	2018-2019	
Enrico Maccallini	Enrico_Maccallini@saes-group.com	Europe	Industry	m	2019-2022	√√
Ana G. Silva	acs@fct.uni.pt	Europe	University	w	2019-2021	√√
Jennifer MacLeod	jennifer.macleod@gut.edu.au	Australia	University	w	2019-2020	
Ray-Hua Horng	rhh@nctu.edu.tw	Asia (Taiwan)	University	w	2019.2020	
Ellen Moons	ellen.moons@kau.se	Europe	University	w		
Maria Sánchez Colina		Americas	University	w		

New elections. We need Asian representation

ASC Members 2016-2019 Triennium

Chair	Switzerland	Martin Wüest
Vice Chair	Great Britain	Timo Gans
Ex Officio	Sweden	Lars Montelius
	Australia	Anton Stampfl
	Austria	Christoph Eisenmenger-Sittner
	Belgium	Francois Reniers
	Brazil	Pedro A. P. Nascente
	Croatia	Slobodan Milosevic
	France	Anouk Galtayries
	France	Maria Carmen Asensio
	Germany	Frank Richter
	Israel	Sidney Cohen
	Italy	Mariano Anderle
	Slovakia	Andrej Vincze
	Slovenia	Janez Kovac
	Spain	José A. Martí-Gago
	USA	Jay Hendricks
	USA	David Ruzic

Present IUUVSTA Awards and Prizes

Award	Aim	Frequency	Amount	Funding	Eligibility	Comments
IUVSTA Prize for Science	Recognize and encourage outstanding internationally-acclaimed research in the fields of interest to the IUUVSTA.	Every 3 years	EUR 3000 + struck medal + certificate + travel expenses	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 IUUVSTA.	Every 3 years	EUR 3000 + struck medal + certificate + travel expenses	Previous donations from companies	Within 10 years preceding the year in which award is made	
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. To contribute to the study of vacuum science techniques or their application in any field	Every year	USD 15000	Mr. Bro Welch & Beth Howard USD 15000 + inflation per year	Postgraduate Scientist -1 to +2 years of receiving Ph.D.	
IUVSTA Elsevier Student Award	Partial financial support to attend IUUVSTA meetings and conferences at which they are presenting a paper.	Annually, 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. Limited support to attend the meeting	
IUVSTA EBARA	Development of environment friendly solutions	Every 3 years	EUR 3000 + invited talk	EBARA	Within 10 years after Ph.D.	New

Present Array of Awards

Character	Frequency	Undergraduate	Graduate	Post-doc	Established
Recognition	Every 3 years				IUVSTA Prize for Science IUVSTA Prize for Technology
Subsistence	Annually			Welch	
Semester abroad					
Conference Travel	Annually Select Conf.		Elsevier	Elsevier	
Research	Every 3 years			Ebara (new)	