

# IFAC WC TC 7.5 Facts, Figures, Future

Virtual Meeting 15.7.2020  
Berlin / Zoom

Paul G. Plöger

Zdzislaw Kowalczyk (past IAV chair in 2019), Ljubo Vlacic (past past..),  
Keiji Nagatani, Thanh Binh To and Thomas Wiemann.

## H-BRS



Hochschule  
Bonn-Rhein-Sieg

Fachbereich  
Informatik

Prof. Dr.  
Paul G. Plöger

# Outline

1. **Welcome and opening**
2. **Acceptance of the agenda**
3. **Report** of the past Chair
4. Report of IAV 2019, Gdansk
5. Update on IAV 2022
6. Any other business



# 3 Report of Past Chair

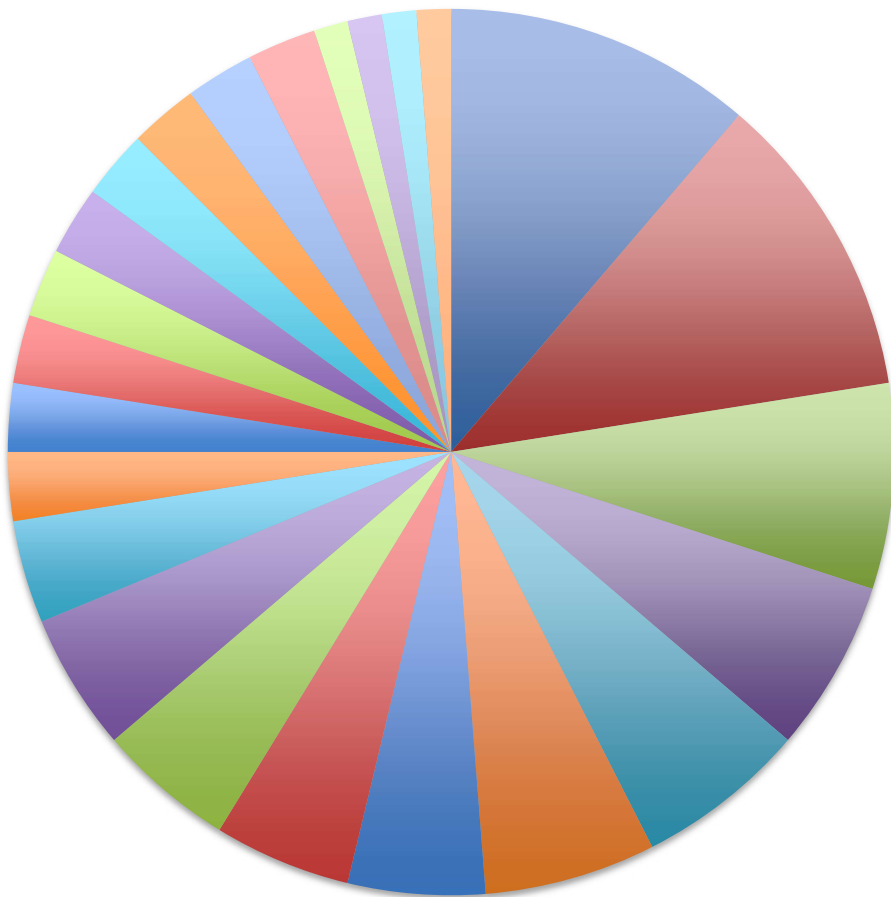
## Our „own“ history of TC75 / IAV

10.	2019	Gdansk,	Poland
9.	2016	Leipzig,	Germany
8.	2013	Gold Coast,	Australia
7.	2010	Lecce,	Italy
6.	2007	Toulouse,	France
5.	2004	Lisbon,	Portugal
4.	2001	Sapporo,	Japan
3.	1998	Madrid,	Spain
2.	1995	Espoo,	Finland
1.	1993	Southampton,	UK

- mainly smaller cities
- always different nations
- driven by degree of „activities“ in Ctrl communities and / or external events (Soccer / Robocup etc)
- Dominance of EU, but also two meetings far east (J,AU)

### 3. Report Past : incr. #58 -> #81

### TC75 by nation and Sympoisum



- TURKEY
- UK
- PORTUGAL
- GERMANY
- HUNGARY
- USA
- CHINA
- FRANCE
- ITALY
- JAPAN
- AUSTRIA
- AUSTRALIA
- BULGARIA
- CANADA
- FINLAND
- INDIA
- KOREA
- POLAND
- ROMANIA
- SLOVENIA
- CZECH REPUBLIC
- MALAYSIA
- SPAIN

TURKEY	9	
UK	9	X
PORTUGAL	6	X
GERMANY	5	X
HUNGARY	5	
USA	5	
CHINA	4	
FRANCE	4	X
ITALY	4	X
JAPAN	4	X
AUSTRIA	3	
AUSTRALIA	2	X
BULGARIA	2	
CANADA	2	
FINLAND	2	X
INDIA	2	
KOREA	2	
POLAND	2	X
ROMANIA	2	
SLOVENIA	2	
CZECH REPUBLIC	1	
MALAYSIA	1	
SPAIN	1	X
TUNESIA	1	

# 3 Report of Past Chair

- Special
  - Chairing IAV 2016 Leipzig
  - Session leading at WC Toulouse 2017
  - Participation IAV 2019 Gdansk
    - seeking / fixing IAV 2022
  - Acting as editor for the TC75 e.g. for WC 2020
    - **Papers** Reviewed by whole TC (poll 2020) 179
    - on top: just the WC Berlin **papers** 127
- Everyday:
  - Events sponsored / co-sponsored by TC 7.5



# 3 Report of Past Chair

- 1 TC9.2 CPHS Cyber Physical and Human Systems,  
Anu Annaswamy, Dawn Tilbury,
- 2 TC3.3 CESCIT Telematics, 2018 António Ruano, Klaus Schilling
- 3 TC7.1 AAC Advances in Automotive Control - 9th AAC 2019;
- 4 TC4.3 SYROCO Robot Control 2018;
- 5 TC6.3 CPES Control of Power and Energy Systems, 2018;
- 6 TC9.5 TECIS Technology, Culture and International Stability 2018
- 7 TC7.4 CTS Control in Transportation Systems 2018



# 3

# Report of Past Chair

CAMS	2018 September 9 -13	Opatijo	Croatia
NECSYS	2018 August 27-28	Groningen	NETHERLANDS
NMPC	2018 August 19-22	Madison	USA
AAC	2019 June 24-27	Orleans	FR
ACA	2019 August 27-30	Cranfield	UK
ACE	2019 July 7-9	Philadelphia	USA
AGRICONTROL	2019 December 4-6	Sydney	AU
ALCOS	2019 December 4- 6	Winchester	UK
CAMS	2019 September 18 -20	Oaejeon	Korea
ICONS	2019 August 21-23	Belfast	UK
NECSYS	2019 September 16 -17	Chicago	USA
RoMoCo	2019 Poznan		Poland
TA	2019 September 25-27	Chengdu	China
WCTS	2019 June 30 - July 01	Haifa	Israel
WROCO	2019 September 18 -20	Oaejeon	Korea
CAMS	2021	Oldenburg	Germany
CTS	2021 June 8-10	Lille	FR
INCOM	2021 June 7-9	Budapest	HU
SAFEPROCESS	2021 Pofos		Cyprus
SYROCO	2021 August 30 - Sept 02	Matsumoto	JP



# 4 IAV 2019, Gdansk, Poland, Chair: Prof. Zdzislaw Kowalczuk



2,5 days, three tracks, 12 ses., 74 talks, 5 plenary, 2 keynotes

250++ participants

5 best paper awards

Drone competition

⇒ **Zdzislaw** will now be TC75 chair 2020...2023

⇒ Congratulations !

Prof. Dr.  
Paul G. Plöger



Hochschule  
Bonn-Rhein-Sieg

Fachbereich  
Informatik



# 5 IAV 2022, Jul 6-8

- General Chair: Prof. Dr. Libor Preucil



# My thoughts on IAV 2022 CANDIDATES

Nat	City	Pers
SE	Linköping	Eric Frisk, Matthias Krysander
RUS	St. Petersburg	Alexander Lopota
CN	Peking	? (long ago)
CZ	Prague	Libor Preucil

Nat.	How active?
SE	++
RUS	-/+
CN	+
CZ	+



# Prague Czech Republic



IAV 2022 - IFAC Symposium on Intelligent Autonomous Vehicles

Prague, Czech Republic



Hochschule  
Bonn-Rhein-Sieg

Fachbereich  
Informatik

Prof. Dr.  
Paul G. Plöger

11

# 6 Any other business

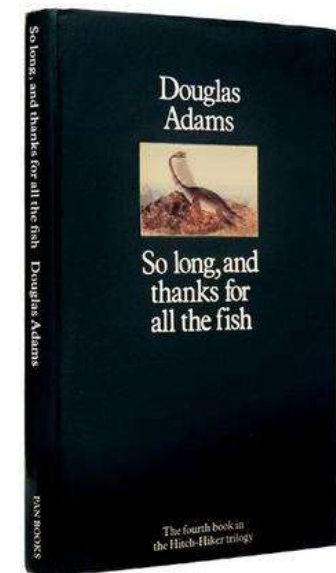
- Homeworks:  
How do the hype topics “deep”, AUTO, “ML” change the opportunities for students, staff and research?
  - autonomous driving will impact future of IAV significantly
  - Big data is cheaper then decent engineering



... That's it folks..

By by and thanks for a great time ...

... or was it for all the Fish ?



By Source, Fair use, <https://en.wikipedia.org/w/index.php?curid=30976130>

