

IEEE P1937.7 Working Group

The 4th Online and offline meeting

IEEE Standard P1937.7 PAR Approval (Skylight polarization vector field part)

Meeting Minutes

28th June, 2022 16:00 to 17:30 (UTC+8)

BEIJING, CHINA & LEICESTER, UK

Yan Lei PKU, Working Group Chair

Wu Taixia HHU, Kevin Tansey LEICESTER, Yao Dong CIOMP, Working Group Vice Chair

Recorded by Li Yanfei SPHZ, Working Group Secretary

1. Call to Order

- Introduction and Declarations of Affiliations
- Introduction to member entities

Vice chair *Kevin Tansey* called the meeting to order at 16:00.

- Goal of the Meeting

Vice chair *Kevin Tansey* presented the goal of the Meeting: Discussion of the New Draft Version and Related Academic Discussion

2. Approval of the Agenda

Vice chair *Kevin Tansey* presented the agenda document of P1937.7 agenda.

Motion #1: Move to approve the Agenda, *IEEE WG June-28-2022 4th MeetingAgenda-unapproved.docx* to *IEEE WG June-28-2022 4th MeetingAgenda-approved.docx*.

- Moved by: *Liu Xiao, Anhui Institute of Optics and Fine Mechanics*
- Seconded by: *Han Shuangli, Tianjin WOMOW S&T CO., Ltd.*

Motion passed unanimously.

3. Review/Approval of the meeting minutes of last meeting

Vice chair *Kevin Tansey* presented the meeting minutes of last meeting.

Motion #2: Move to approve the Minutes *P1937.7 WG June-17-2022-FM Minutes_unapproved.docx* to *P1937.7 WG June-17-2022-FM Minutes_approved.docx*.

- Moved by: *Jiang Kaiwen, Peking University.*
- Seconded by: *Yang Lianglian, DJI*

Motion passed unanimously.

4. IEEE Patent Policy

Vice chair *Kevin Tansey* presented the Patents slide to the WG and made a call for patents at 16:25.

No potentially essential patent claims were declared, and no holders of potentially essential patents were identified.

5. Discussion about the new draft

Review P1937.7 Standard Draft v3.0

Liang Jian from *Xi ' an Institute of Optics and Precision Mechanics of CAS* presented the latest version standard draft of P1937.7:

The WG members discussed the draft and the key comments were recorded below:

Lu Haiying from *CESI*: It is suggested to add the working flow chart of polarization earth observation.

Ren Fuhu from *Collaborative Innovation Center for Geospatial Big Data, Peking University*: I suggest adding circularly polarized light.

6. Review/Approval of the Standard Drafting plan

Motion #3: Move to discuss the participants of the P1937.7. The suggested membership are:

Yan Lei, *Chair*

Wu Taixia, Kevin James Tansey, Yao Dong, *Vice Chair*

Alwyn Hugh Mortimer	Jiang Huilin	Juri Knjazihhin
Maria Gritsevich	Tong Qingxi	You Zheng
Oleg Dubovik	Li Zhengqiang	Anand Asundi
Ali Hussain	Jia Xiuping	Sana Ullah
Chen Wei	Chu Jinkui	Dong Xinling
Gou Zhiyang	Guan Guixia	Guo Hong
Hou Junfeng	Hu Haofeng	Hu Xinli
Jiang Kaiwen	Liang Jian	Li Jianjun
Li Junsheng	Lin Yi	Liu Fei
Liu Jia	Liu Siyuan	Liu Xiao
Li Yanfei	Ma Hui	Sana Ullah
Shang Ke	Sun Shanlin	Sun Yanbiao
Wang Nan	Wang Shudong	Xiang Yun
Yang Bin	Yao Yunjun	Yin Sixian
Yuan Yinlin	Zhang Ying	Zhang Zihan
Zhao Haimeng	Zhao Yongqiang	Zhao Yunsheng

June 28th, 2022

- Moved by: *Wu Taixia, HHU.*
- Seconded by: *Zhang Jianping, The Second Research Institute of Civil Aviation Administration of China*

Motion passed unanimously.

7. Related Academic Discussions

- Prof. *Kevin* “University of Leicester (UK) research update in 2022”;
- Dr. *Li Yanfei* “Temporal and Spatial Characteristics of the Global Skylight Polarization Vector Field”;
- Dr. *Ali* “Introducing MetOp Second Generation Front-End Receivers”;

8. Future Meetings

- Next Meeting
IEEE P1937.7 5rd online and offline meeting September 2022 Beijing China

9. Meeting to adjourn

Motion #4: Move to adjourn

- Moved by: *Guan Guixia, Capital Normal University.*
- Seconded by: *Yao Dong, Changchun Institute of Optics, Fine Mechanics and Physics, CAS*

Motion passed unanimously.

The WG adjourned at 17:30.

• Attachment

a Voting Members present:

Participants	Affiliations	Voting status
Asia-pacific meeting venue		
Hu Xinli	Aerospace Information Research Institute Chinese Academy of Sciences	V
Li Junsheng	Aerospace Information Research Institute Chinese Academy of Sciences	
Li Jianjun	Anhui Institute of Optics and Fine Mechanics	V
Liu Xiao	Anhui Institute of Optics and Fine Mechanics	
Guo Qinghua	Beijing GreenValley Technology Co., Ltd	V
Yao Dong	Changchun Institute of Optics, Fine Mechanics and Physics, CAS	V
Xue Yanli	China TOPRS Technology Co., Ltd	V
Chen Wei	China University of Mining and Technology	V
Chu Jinkui	Dalian University of Technology;	V
Wu Taixia	Hohai University	V
Yin Sixian	Hohai University	
Mai Ying	Institute of Geographical Sciences and Nature Resources Research (IGSNRR)	V
Yu Tian	North China Electric Power University	V

Yan Xu	Peking University	V
Jiang Kaiwen	Peking University	
Liu Siyuan	Peking University	
Shang Ke	Peking University	
Zhang Zihan	Peking University	
Zhao Hongying	Peking University	
Ren Fuhu	Peking University Collaborative Innovation Center for Geospatial Big Data	V
Li Yanfei	Shanghai Pudong High-tech Zone	V
Wang Haibin	Skysys Intelligent Technology (Suzhou)Co., Ltd	V
Han Wenjun	State Grid Economic and Technological Research Institute Co., Ltd	V
Yang Liangliang	SZ DJI Technology Co., Ltd	V
Zhang Jianping	The Second Research Institute of Civil Aviation Administration of China	V
Sun Yanbiao	Tianjin University	V
Han Shuangli	Tianjin WOMOW S&T CO., Ltd	V
Liu Jia	Xi'an Institute of Optics and Precision Mechanics of CAS	V
Liang Jian	Xi'an Institute of Optics and Precision Mechanics of CAS	
Dong Xiandong	Xiaomi Communications Co., Ltd	V
Europe-America meeting venue		
Ali Hussain	RAL Centre office	V
Darren Ghent	RAL Centre office	
Hugh Mortimer	RAL Centre office	
Kevin Tansey	University of Leicester	V

b. Non-Voting Members present (Promise to join IEEE entity membership):

Participants	Affiliations	Voting status
Guan Guixia	Capital Normal University	
Zhao Haimeng	Guilin University of Aerospace Technology	
Sana Ullah(Pakistan)	The Hong Kong Polytechnic University	