**IEEE *P1937.1* Working Group**

**Meeting Minutes**

***March, 11, 2019***

***09:00AM to 17:00PM BEIJING***

***Chengdu, China***

*Haiying Lu CESI*, Working Group Chair

Recorded by *Ying Mai IGSNRR*, Working Group Secretary

Before the general meeting started, *Alexzander Gelman*, the *Sponsor* (dial in) and *Meng Zhao* from *IEEE China* gave presentations to introduce the IEEE structures, functions and the processes of standard development.

1. Call to Order
   * Introduction and Declarations of Affiliations
   * Introduction to member entities

Chair *Haiying Lu* called the meeting to order at 14:00 p.m.

* + Goal of the Meeting

Chair *Haiying Lu* presented the goal of the Meeting: *Establishment of Working Group* and *Making a Working Plan*

* + Establishment of WG Membership (applicable for the first meeting)

The participants and entity members of the P1937.1 WG is just the same as P1939.1 WG kickoff meeting in the morning. The member status is showed at attachment.

* + A sign in sheet captured attendance.

1. Approval of the Agenda

Chair *Haiying Lu* presented the agenda document of P1937.1 agenda.

Motion #1: Move to approve the Agenda, *IEEE\_PlenarySchedule\_P1936-1\_P1937-1\_1939-1\_FM-unapproved .docx.*

* + Moved by: *Ying Mai, IGSNRR*
  + Seconded by: *Bing Tang, CAP*

Motion passed unanimously.

1. Review/Approval of WG Policies and Procedures (P&P)

Chair *Haiying Lu* presented the WG P&P document of P1937.1.

Motion #2: Move to approve the WG P&P *1937-1 IPDD WG\_P&P\_unapproved.docx to 1937-1 IPDD WG\_P&P\_approved.docx .*

* + Moved by: *Shuangli Han, Tianjin Wanmao Science and Technology Co., Ltd.*
  + Seconded by: *Wenjun Han, SGCC*

Motion passed unanimously.

1. IEEE Patent Policy

Chair *Haiying Lu* presented [the Patents](https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf) slide to the WG and made a call for patents at 14:30 pm.

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

1. Introduction of WG

Chair *Haiying Lu* presented a PPT to introduce the general information and working plan of P1937.1.

1. Election of Officers
   * Nomination from the floor

Motion #3: Move to elect/appoint of Secretary: nominate *Ying Mai* from *IGSNRR*, as WG Secretary. If no objection received by March 26th 2019, *Ying Mai* from *IGSNRR* will be the WG Secretary.

* + Moved by: *Bin Tang, CAP*
  + Seconded by: *Chigang Peng, China Southern Power Grid Co. Ltd*

Motion passed unanimously

Motion #4: Move to elect/appoint of vice-Chair: nominate *Liangliang Yang* from *DJI, Inc*., as WG vice chair. If no objection received by March 26th 2019, *Liangliang Yang* from *DJI, Inc*. will be the WG vice-Chair.

* + Moved by: *Ying Mai, IGSNRR*
  + Seconded by: *Wenjun Han, SGCC*

Motion passed unanimously

Motion #5: Approve *Jie Bai* from *TOPRS .Ltd, China*, as WG Editor.

* + Moved by: *Ying Mai, IGSNRR*
  + Seconded by: *Qinghua Guo, GreenValley Inetrnational*

Motion passed unanimously

Motion #6: Approve to

* form IEEE 1937.2: Optical subgroup to lead the discussion on optical, prepare the content and report to P1937.1 while Jie Bai from *TOPRS .Ltd, China* is appointed as chair.
* form IEEE 1937.3: Beidou SM subgroup to lead the discussion on Beidou SM, prepare the content and report to P1937.1 while *Yanli Xue* from *TOPRS .Ltd, China* is appointed as chair.
* form IEEE 1937.4: SAR subgroup to lead the discussion on SAR, prepare the content and report to P1937.1 while *Yanfei Wang* from *IE CAS* is appointed as chair.
* form IEEE 1937.5: Lidar subgroup to lead the discussion on Lidar, prepare the content and report to P1937.1 while *Qinghua Guo* from *GreenValley Inetrnational* is appointed as chair and Mr.Wenjun Han from State Grid Corporation of China (SGCC) is appointed as co-chair.
* form IEEE 1937.6: Infrared subgroup to lead the discussion on Infrared, prepare the content and report to P1937.1 while *Chigang Peng* from *China Southern Power Grid Co. Ltd* is appointed as chair.
  + Moved by: *Ying Mai, IGSNRR*
  + Seconded by: *Ning Li, Huawei*

Motion passed unanimously

1. Task Assignment Discussion

Chair Haiying Lu presented a Grouping blue print to the WG. The WG may discuss the details at the next meeting.

* + Form Subgroups:

IEEE 1937.1 : General rulesIEEE 1937.2 : Optical Chair: Jie Bai*, TOPRS .Ltd China* IEEE 1937.3 : Beidou SM Chair: *Yanli Xue, TOPRS .Ltd China*  IEEE 1937.4 : SAR Chair: *Yanfei Wang, IE CAS*IEEE 1937.5 : Lidar Chair: *Qinghua Guo, GreenValley Inetrnational*

Co-Chair: Wenjun Han, *SGCC*

IEEE 1937.6 : Infrared Chair: *Chigang Peng, China Southern Power Grid Co. Ltd*

1. New Business
   * Next Meeting

IEEE P1937.1 1st Teleconference May, 2019 -IEEE P1937.1 2nd face-to-face meeting July 30, 2019 Suzhou ChinaIEEE P1937.1 3rd face-to-face meeting November 2019 Chengdu ChinaIEEE P1937.1 4th face-to-face meeting March, 2020 Guangzhou China

1. Meeting to adjourn

Motion #7: Move to adjourn

* + Moved by: *Ying Mai, IGSNRR*
  + Seconded by: *Chigang Peng,* *China Southern Power Grid Co. Ltd*

Motion passed unanimously.

The WG adjourned at 15:00 pm.

* **Attachment**

List of participants:

a. IEEE staff present:

Vitoria Wang, IEEE-SA

Meng Zhao, IEEE China

Zhongkai Deng, IEEE China

b. Voting Members present:

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| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Xiaohan Liao廖小罕 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Xiang Tan谭翔 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| jianli Liu刘见礼 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Chenchen Xu徐晨晨 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Ying Mai买莹 | IGSNRR（中国科学院地理科学与资源研究所） | V |
| Xuemei Yu余雪梅 | CESI（中国电子技术标准化研究院） |  |
| Zhang Zhang张璋 | CESI（中国电子技术标准化研究院） |  |
| Wenfeng Wang王文峰 | CESI（中国电子技术标准化研究院） |  |
| Haiying Lu卢海英 | CESI（中国电子技术标准化研究院） | V |
| Ning Li李宁 | Huawei (华为) | V |
| Chigang Peng彭炽刚 | China Southern Power Grid Co. Ltd(中国南方电网) | V |
| Zhihai Xu许志海 | China Southern Power Grid Co. Ltd(中国南方电网) |  |
| Yilong Chen陈义龙 | China Southern Power Grid Co. Ltd(中国南方电网) |  |
| Wenjun Han韩文军 | State Grid Corporation of China (SGCC) (国家电网) | V |
| Bin Ren任斌 | Chengdu JOUAV （成都纵横） | V |
| Xiaoyan Li李小燕 | Chengdu JOUAV （成都纵横） |  |
| Xuejun Duan段学军 | Chengdu JOUAV （成都纵横） |  |
| Xiandog Dong董贤东 | Xiaomi, Inc.（小米） | V |
| Wei Hong(dial in) | Xiaomi, Inc.（小米） | <50% of the meeting’s duration. |
| Xianding He 何先定 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| Bing Tang唐斌 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） | V |
| Shulin Yu余姝霖 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| Yu Yuan 袁昱(dial in) | Senses Global Corporation | V |

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

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Tao Liu刘涛 | CAAC (Chengdu) UAV system Co., Ltd.（中航（成都）无人机系统股份有限公司） |  |
| Pengxin Ding丁鹏欣 | The Second Research Institute of Civil Aviation Administration of China（中国民航局第二研究所） |  |
| Honglian Ding丁洪亮 | KEWEITAI 深圳科卫泰 |  |
| Qinghua Guo郭庆华 | GreenValley Inetrnational 北京数字绿土科技有限公司 |  |
| Hong Liu刘红 | Chengdu UAV Industry Association 成都市无人机产业协会 |  |
| Liangliang Yang杨亮亮 | DJI（大疆） |  |
| Minrui Zhang张敏睿 | DJI（大疆） |  |
| ChunHai Hao郝春海 | Hebei Tianhai surveying and Mapping（河北天海测绘） |  |
| Yu Su苏郁 | China Mobile (Chengdu) Industrial Research Institute（中国移动（成都）产业研究院） |  |
| Jian Zhou 周剑 | China Mobile (Chengdu) Industrial Research Institute（中国移动（成都）产业研究院） |  |
| Zhiyun Zhai 翟智云 | CTRS ENTERTAINMENT 中交遥感载荷科技有限公司 |  |
| Huang Tan谭晃 | HAWR EYE TECHNOLOGY鹰眼电子科技有限公司 |  |
| Fuhu Ren任伏虎 | Collaborative Innovation Center For Geospatial Big Data, Peking University(北京大学时空大数据协同创新中心) |  |
| Shuangli Han韩双立 | Tianjin Wanmao Science and Technology Co., Ltd.（天津市万贸科技有限公司） |  |
| Xinlei Xu徐鑫磊 | Guangzhou Hopong Co.Ltd（广州市红鹏直升机遥感科技有限公司） |  |
| Yanli Xue薛艳丽 | China TOPRS Technology Co. Ltd.（中测新图） |  |
| Jie Bai白洁 | China TOPRS Technology Co. Ltd.（中测新图） |  |
| Xieli Zhan詹学丽 | Institute of Electronics CAS(中国科学院电子学所) |  |
| Yanfei Wang 王岩飞 | Institute of Electronics CAS(中国科学院电子学所) |  |
| Shifang Wu 巫世芳 | TTA 北方天途航空技术发展（北京）有限公司 |  |
| Yi Tang杨苡 | TTA 北方天途航空技术发展（北京）有限公司 |  |

d. Observers:

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Xiaohang Wen文小航 | CUIT成都信息工程大学 |  |
| Yajun Mei 梅亚军 | JXTD北京捷翔天地信息技术有限公司 |  |
| Yufeng Liu刘宇丰 | HoneyWell霍尼韦尔 |  |
| Yong Liu刘镛 | China Civil Aviation Emergency Rescue Alliance中国民用航空应急救援联盟 |  |
| Celeste Barnes(dial in) | University of Lethbridge | < 50% of the meeting’s duration. |
| Ramdas Chandrashekar(dial in) | Advantrak Technologies P Ltd. | < 50% of the meeting’s duration. |
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