1. Welcome and apologies

Chang opened the meeting and welcomed the attendees. Newcomers were encouraged to ask questions when things are unclear.
2. Approval of the Agenda

SC approved the agenda without amendments.


b. Approval of Minutes of Meetings, Wroclaw 2017 (https://www.ifla.org/node/37088)

SC approved the Minutes of the Meetings 2017.

3. Standing Committee membership matters

a. Distribution or revision of other SC roles (https://www.ifla.org/node/7682), as relevant

Chang reminded that IFLA had suggested a variety of roles that any SC member may take on depending on activity and need (eg. Vision input coordinator, Congress session coordinator, Reporter, Project coordinator or SC project liaison...) and that the SC may also identify other roles for their members. Chang invited members to let her know if they are interested in activating new roles within the SC.

b. New editor of IT Section newsletter, nomination as Corresponding Member [MC]

Michelle Ryu from Canada is the new editor of the TILT Newsletter, replacing Joan Wee from Singapore who stepped down. The SC approved to have Ryu as a Corresponding Member of the SC.

4. Reports

a. Information/updates from Professional Committee, as relevant

2019 is an election year and IFLA will send out the reminders. The IFLA Global Vision project continues with the collection of “ideas for action” and everyone is encouraged to participate.

b. Information Coordinator [MdIP, substitute ESN]

Sánchez Nogales reported on behalf of de la Peña that two issues of the TILT newsletter have been published and distributed. The website information and documents have also been updated following the procedure for transition to the new IFLA website. Clean up included removing outdated pages, adding missing information from previous conferences, action plans, minutes, and conferences. We are still waiting for an answer from IFLA HQ about the new logos.

c. Big Data SIG [WK, substitute EB]

The activities of the SIG during the past 12 months can be summarized into three main areas of activity:

1. Keeping abreast with IMLS-funded data projects

   The innovation and development in data-related scientific endeavors are mostly happening in the space of the Information Science schools (or so-called “iSchools”). Many research projects in USA-based iSchools are funded by the Institute of Museum and Library Services (IMLS), of which two in particular are of particular relevance for the focus areas of the SIG:

   • The Data Science in Libraries Project, led by the School of Computing & Information, University of Pittsburgh, explores the challenges associated with implementing data science
within diverse library environments by examining the “skills gap” of both librarians and library managers when dealing with the delivery of data-intensive collections and services.

- The *Collections as Data* project which aims to produce “a collections as data” framework and functional requirements that support library collections as data infrastructure development.

2. **Coordinate participation in information sharing events**

   Participation in the following professional events were organized:

   - An attempt at a WLIC 2018 satellite meeting for Wednesday 22 August and/or Thursday 23 August, co-hosted by the Nanyang Technological University (NTU), Singapore. The planning for this event was cancelled due to a clash with the local “Hari Raya Haji” public holiday on the same date (22/08).
   - A business meeting and open session at WLIC 2018 on Wednesday 29 August, 12:00 – 13:00.
   - A session on *Libraries’ Application of Data Intelligence* at the CODATA and RD-Alliance organized SciDataCon2018 event in Gaborone, Botswana, as part of International Data Week 2018 (IDW2018).

3. **Doing research into Library Analytics**

   Library Analytics is a growing field of statistical analysis of mainly library transactional data, and some of the same tools, concepts and techniques used in Big Data analysis are applicable to library data analysis. An exploration of the various library dashboard products, and library sources for statistical analysis, is currently being undertaken.

   It remains a challenge to effectively share and communicate the assimilated information gained to a broader audience for comment and review. This requires time to write-up and share for commentary using an appropriate platform like a blog. More work needs to be done in this area.

   d. **Linked Data SIG (+ review of future options) [EW]**

   The invitation for the program (Mon 27 Aug, 16.15-18.45, Room 302) were well received, the program includes three speakers:

   - Introduction by Philip Schreur from Stanford University will give a state of Linked Data address this year. He will talk about Linked Data activities in the field over the last year and will speak about his work on Linked Data for Production, or LD4P as its colloquially known.
   - Video from Jen Young at Northwestern about a Linked Data implementation in an IR/Repository (Samvera)
   - Elena Sánchez Nogales and her colleague Ricardo Santos at the BNE will talk about their general Linked Data model and development program and talk about how they are exploiting the model and program for other projects and uses.

   There will be time for the workshops and discussions that have made the LIDASIG meeting valuable to many.

   Weinraub expressed her concerns about the viability of the SIG longer term. While the programs organized by the SIG are usually very well attended, with a request to join the mailing list, the listserv is silent most of the year. She stated that it requires whoever is the SIG Convener to know people in the field – which is not always fair if we have an early career professional running the group. She also suggested reaching out to the Bibliographic Section to see if there might be an opportunity for better collaboration and cross-pollination. Chang suggested to also contact the
Subject Analysis and Access Section and Cataloguing Section, and to report back with recommendations to SC at WLIC2019 when the 4-year review of SIGs is required.

5. Action Plan 2017-18

a. Update from ongoing activities or projects (https://www.ifla.org/node/1225), as relevant

No updates.

b. WLIC 2018 Satellite Meetings and Sessions, last-minute planning/updates

- **Joint satellite with Reference & Information Services Section on Reinventing Reference with Technology Transformations, Thu 23 Aug, University of Malaya.** [MC, EB, LK]
  The Meeting was very successful with more than 60 attendees. Especially appreciated was the panel discussion, with diverse experiences (from South Africa, US, The Philippines, Malaysia) and different points of view.

- **Joint session with Audiovisual and Multimedia Section on Winning strategies for collecting, cataloguing, providing, playing, and preserving video games in libraries (Sat 25 Aug, 13.45-15.45, Plenary Theatre).** [MC]
  Chang will represent the IT Section and do a short welcome.

- **Main session on Celebrating IT innovations in libraries (Sun 26 Aug, 13.45-15.45, Ballroom 1).** [MC, LB]
  The session has great panel of presenters. Chang reminded that the IT Section usually worked in cooperation with other Sections since IT is everywhere but this year we decided to celebrate the emerald anniversary of the Section with our own open session.

- **Joint session with Preservation and Conservation Section on Planning digital preservation: in for the long run (Mon 27 Aug, 13.45-15.45, Ballroom 1).** [EB]
  The cooperation with P&C Section is long standing and there are many themes of common interest for the future (e.g. digital data curation, reliability of clouds, …). This year the program has 8 papers but 1 of them was unable to attend.

- **Linked Data SIG Business Meeting (Mon 27 Aug, 16.15-18.45, Room 302).** [EW, ESN]
  Described in #4d above.

- **Joint session with IFLA HQ on Blockchain – is it worth the fuss? (Tue 28 Aug, 13.00-13.30, Plenary Hall).** [MC, HS]
  IFLA is testing some new conference formats and one of them is the flash session. Chang and Schwarz will be presenting at the blockchain flash sessions.

- **Big Data SIG Business meeting and Open Session (Wed 29 Aug, 12.00-13.00, Ballroom 2).** [EB, ACV]


a. Ideas for new activities 2018-19 (final discussion/decision at SC 2 meeting)

- Draft a possible set of guidelines or principles for libraries on cybersecurity. This is an opportunity to underline the need to have proper measures in place (i.e. to protect data held and prevent piracy), and the importance of promoting good cybersecurity practices among
users. It would also stress the importance of avoiding techniques that invade privacy and/or restrict users’ rights. [MC]

**Guest: Stephen Wyber, IFLA Policy and Advocacy Manager**

Wyber stressed that IFLA is working to support members in all their needs and there is a great request for support on the issue of cybersecurity. IT Section usually has a rich program, and cooperates with other sections to spread knowledge and materials on hot themes. IFLA felt that it could help to meet the needs of support on cybersecurity.

A brief discussion followed:

- Libraries have no control or influence on the policy of the institutions they belong to;
- Principles for cybersecurity for libraries are similar to the general ones;
- Situations can be very different in different places and there is the need to find a common denominator;
- No need that IT Section leads all the initiatives which include IT aspects;
- The work could provide librarians materials to use to interact with their institutions;
- To define some general principles would be useful even if libraries will not put into action cybersecurity directly;
- It is a political issue but this is exactly what IFLA is doing with standards and guidelines, to produce something that can be used at a general level;
- The Committee on Standards could be part of the working group.

The decision was postponed to the SC 2 meeting.

- Investigate the use of blockchain in the IFLA voucher payment system for international interlibrary requests (IIR). This system makes it easy to pay for IIRs by using a voucher instead of money. Using blockchain would ensure security, easily track the transaction, and nano transactions can save transfer costs. Further investigation and discussion with HQ is needed to determine viability and value of using blockchain technology in the current system. [SW, MC].

Chang mentioned this was raised by Peter Bae of the DDRS Section and it tied in to the flash session on blockchain. Wyber suggested some possible applications of blockchain to IFLA procedure. After a brief discussion, the decision was postponed to the SC 2 meeting.

- DeGruyter has offered to publish the IT Section WLIC2014 session papers on Cloud Computing in the IFLA Series. The approval of the sponsoring section (IT Section) is required. [MC].

**Guest: Janine Schmidt of DeGruyter.** Schmidt explained the importance of the work (to collect perspectives and experiences from all around the world) and the kind of work the SC is expected to do (finding interesting papers, reviewing and editing them). Two editors are needed to help Lars Svensson, who is already in contact with the publisher. At least one of the editors should be a native or a good English speaker. De Gruyter adds a copy editor to the series editor. A call for papers is needed and it is possible to include papers presented during IFLA conference or satellite meetings. The timeline for completion is 8-12 months. The decision was postponed to the SC 2 meeting.

- Series of webinars on IT related topics. This was suggested at the WLIC2017 SC meeting. Any further interest? [MC]

Kleinveldt expressed interest in this and suggested the webinar format could be quick talks, and not too formal. It is also a way to support developing countries. Salem reminded about the
Skills Register created a few years where SC members listed their IT specialty/expertise that any IFLA group could contact for assistance/support. The list was not used much and Chang suggested that this webinar series could be a more proactive approach. One of the themes for the webinar could be IT and new technologies. The decision was postponed to the SC 2 meeting.

- Other proposals/suggestions?
  No other proposals/suggestions.

b. WLIC 2019 Meetings and Sessions (program ideas, identify organizing team and roles if applicable, final discussion/decision at SC 2 meeting)

- Proposal for Mid-year Meeting (March): Robotics and AI in Libraries Symposium with National Library Board (NLB), Singapore. To be held in Singapore. [MC]
  Chang is in discussion with NLB. There is a proposed satellite on robotics at WLIC2019 but many in the Asia Pacific region are unlikely to be able to attend due to travel cost. There is interest in the topic and this symposium would allow more regional attendance.

- Proposal for Satellite Meeting: Robotics in Libraries. Tentatively to be held in Berlin. [MC]
  Satellite meetings must take place at maximum within 3 hours’ flight or 6 hours’ over-land travel time to the main conference city (Athens). It is also best to hold it in a place where there are examples and experiences to show. Berlin could be the right place. The final decision is postponed to SC 2 meeting, when the Section will have collected other possible proposals.

- Proposal for Satellite Meeting: Title to be decided with Big Data SIG. [WK, EB]
  A satellite meeting could have as a theme “Big data and AI”.

- Tentative proposal for Joint session: Smart Cities and Smart Libraries with Metropolitan Libraries Section. [MC]
  Metropolitan Libraries Section is interested in a joint session on the theme. There will be further contacts during the Conference to explore this possibility and the interest in it.

- Suggestions for Main Session [MC]
  Postponed to SC 2 meeting, after conversations during the coming days.

- Other proposals/suggestions?
  No other proposals/suggestions.

c. Decision about whether to plan a satellite meeting in two years’ time, as relevant.

  Postponed to SC 2 meeting.

7. Next meeting of the Standing Committee

  The Information Technology SC 2 meeting will be held on Wednesday 29 August, 13.30-16:00, Room 302.

8. Any other business

  There being no other business, the meeting adjourned at 13:15.
Minutes IT Section Standing Committee Meeting II  
Wednesday 29 August, 2018, 13.30-16.00, Room 302

Chair: May Chang  
Secretary: Leda Bultrini (acting in absence of Kadesjö)  
Information Coordinator: Elena Sánchez Nogales (acting in absence of de la Peña)

Present: Edmund Balnaves (Australia) (acting in absence of Klapwijk)  
Almudena Caballos Villar (Spain)  
Lynn Kleinveldt (South Africa)  
Nthabiseng Kotsokoane (South Africa)  
Peter Leinen (Germany)  
Shawky Salem (Egypt)  
Ngozi Blessing Ukachi (Nigeria)  
Astrid Verheusen (The Netherlands)  
Evviva Weinraub (USA)  
Jianyong Zhang (China)  
Heike Cardoso (Germany) (Corresponding Member)  
Helga Schwarz (Germany) (Corresponding Member)  
Kazuo Takehana (Japan) (Corresponding Member)

Absent with apologies: Ahmed Abdelilah Bachr (Morocco)  
Maria Kadesjö (Sweden)  
Wouter Klapwijk (South Africa)  
Chunming Li (China)  
Maria de la Peña (Spain)  
Youssef Salah (Egypt)  
Álvaro Sandoval (Chile)  
Souleymane Sogoba (Mali)  
Joan Wee (Singapore) (Corresponding Member)

Observers: Dan Liu (China)  
Cheng Fu Wei (China)  
Cory Lampert (USA)  
Godwin Orumah (Nigeria) [Federal Polytechnic Ekowe Bayelsa]  
Nadji Nasseguengar (South Africa) [Pan African Parliament]  
Ammar Hussein (Iraq) [Al-Abbas Holy Shrine Library]  
Mustafa Alaa (Iraq) [Al-Abbas Holy Shrine Library]  
Wabwire Julius (Uganda)  
Andreas Kempf (Germany) [ZBW – German National Library of Economics]  
Kiran Kaur (Malaysia)  
Thasleem Harif Nahman (Dubai)  
Amada Marcos (Spain)  
Moses Matowu (Uganda)  
Zainab Ajab Mohideen (Malaysia)  
Hussein Adil Hasan (Iraq)  
John Shimaneni (Namibia)

1. Welcome

Chang opened the meeting and welcomed the attendees.
2. Approval of the Agenda

SC approved the agenda without amendments.

3. Standing Committee matters

a. Annual Report of the Section and SIGs due on 15 Sep 2018 for review and approval by SC. Chair to submit reports to IFLA HQ by 30 Sep 2018, and posted on website.

b. Review of Big Data SIG and Linked Data SIG due in 2019 (https://www.ifla.org/node/47381). Conveners to submit report and recommendation to Chair by 30 May 2019. SC to review and comment by 15 June 2019 and Chair to submit SC report and recommendation to Division Chair by 30 June 2019. The Conveners should review the IFLA link for information and recommendations for the evaluation.

4. Report on WLIC 2018 Sessions

a. Joint session with Audiovisual and Multimedia Section on Winning strategies for collecting, cataloguing, providing, playing, and preserving video games in libraries. [MC]
Chang welcomed the audience to the session and thanked the AVM Section for IT Section participation. Presentations came from Canada, Japan, Indonesia, Lithuania, and USA, and covered a range of AV equipment and organization and processing issues.

b. Main session on Celebrating IT innovations in libraries. [MC, LB]
The session was well attended (more than 150 attendees). Probably a program with 6 topics is too ambitious, 3 or 4 could be enough. There was a problem with the headphones for the simultaneous interpretation, since the procedure was too complicated. This is something to report to IFLA. The presentations on open access, linked data, new buildings and related technologies, IT in LIS education, emerging technologies, taking pace with new technologies were all very interesting.

c. Joint session with Preservation and Conservation Section on Planning digital preservation: in for the long run. [EB]
The continuing cooperation with P&C Section had a good result. More that 220 delegates attended the session. The introduction and the 4 presentations were very interesting, showing very good practices with all the details, including the costs.

d. Linked Data SIG Business Meeting and Open Session [EW, ESN]
The presentations (Philip Schreur from Stanford University on the state of Linked Data and Elena Sánchez Nogales and Ricardo Santos at the BNE about their general Linked Data model and development program) were very interesting and a 45 minutes discussion followed. 25 delegates attended the meeting. It must be said that some other meetings on similar topics were taking place at the same time.

e. Joint session with IFLA HQ on Blockchain – is it worth the fuss? [MC, HS]
It was the first experience of a short presentation at WLIC and there were about 100 participants. Schwarz was able to clearly explain a complex topic in a few minutes. Sandy Hirsch presented on the results of the National Blockchain Forum held in early August. Stephen Wyber illustrated the future possibilities. Chang asked the floor if there was an interest in having a session on blockchain in Athens and the answer was a unanimous “yes”.


f. Big Data SIG Business meeting and Open Session. [EB, ACV] 80 persons attended the meeting, which was opened by an introduction from Vincent Wong from the NTU in Singapore. A lively discussion followed the presentation, with some suggestions for future sessions: big data and data science, practical users use, standards, preservation and conservation issues, integration with other institutions. All these topics are also indications for the SIG to carry on.

g. Other meetings and sessions of interest.

- IFLA has launched the Global Vision Ideas Store (https://ideas.ifla.org). Everyone is encouraged to spread the word about contributing their ideas on translating the global vision opportunities into action (#4 keep up with ongoing technological changes; #2 update our traditional role in the digital age; #3: understand community needs better and design services for impact)

5. Action Plan 2018-19

a. Draft a set of guidelines/principles on cybersecurity for libraries. Wyber’s email “I think we could focus on a relatively high level set of principles which would be as applicable as possible, perhaps with more specific standards for different library types. This would hopefully respond both to the need set out by Edmund, Peter’s concern, and would also do the necessary for us on advocacy (i.e. to underline that libraries are serious about (proportional) cybersecurity).”

SC approved the project. Balnaves to lead the team of Kotsokoane, Leinen, UKachi, and Verheusen; Volunteered but did not confirm: John S. Shimaneni (Parliament of Namibia), Moses Matovu and Julius Wabwire (both from Parliament of Uganda).

b. Investigate the use of blockchain in the IFLA voucher payment system for international interlibrary requests. A joint activity with the Document Delivery & Resource Sharing Section to draft a proposal to IFLA HQ to pilot a small study.

SC approved the project. Chang will work with Peter Collins and Peter Bae (DDRS Section), SC volunteers Cardoso, UKachi, and Zhang. Volunteered but did not confirm: Hussein Adil Hasan (Alabass Holy Shrine Library – Karbala, Iraq)

c. DeGruyter has offered to publish the WLIC2014 IT Section’s session papers on Cloud Computing in the IFLA Series. Need IT Section SC approval and 1-2 volunteer editors.

SC approved the project. UKachi and Reggie Raju (University of Cape Town) volunteered to assist Lars Svensson.

d. Series of webinars on IT related topics.

SC approved the project. Kleinveldt will work with Kotsokoane and Caballos Villar on the program and process. They were advised to take into account existing webinars on related topics and co-present where appropriate.

e. Symposium on Robotics and AI Applications in Libraries, March 20-22, 2019, Singapore, with the National Library Board (NLB), Singapore.

SC approved the project. Chang will work with NLB on local arrangements with programming assistance from Balnaves, Takehana, and Zhang.
f. Technical standards recommendations on data [ENS]

Nogales Sánchez suggested working on this as libraries often combine different data having different provenance. There are similar recommendations in Spain and it would be useful to know if other countries did the same and do a comparative analysis. We should work on recommendations, not on standards. There is also an interest on the topic from P&C Section.

SC approved the project. Nogales Sánchez will lead the team of Balnaves, Caballos Villar, Leinen, Schwarz and Weinraub.


*Format need not be the standard podium presentation, can be mixed as appropriate (panel, round table, workshop, lightning talks, unconference, etc.) 15 November is proposals deadline*

a. Satellite on *Robotics in Libraries*, August 20-21, Berlin, Germany
Based on prior discussions, it was agreed that this satellite meeting and the one on Big Data and Data intelligence (see #6b below) will take place consecutively in Berlin. Leinen and Frank Seeliger (TUAS Wildau) are agreeable about dates and venue but will check on possible arrangements for the two meetings and confirm later. Leinen will lead the team of Seeliger (TUAS Wildau), Chang, and Ukachi.

b. Joint satellite on *Data intelligence in libraries: actual and artificial*, August 22-23, Berlin, Germany with Big Data SIG and P&C Section.
See #6a above. Klapwijk will lead team of Balnaves, Caballos Villar, and Kavčič-Čolić (P&C Section).

c. Joint session on *Smart Cities and Smart Libraries* with Metropolitan Libraries Section.
Chang will work with ML Section (Carme Galve Montore, Paul Trumphour); non-SC volunteer is Zainab Ajab Mohideen (Universiti Sains Malaysia). Volunteered but did not confirm: Kiran Kaur (University of Malaya).

d. Joint main session on *AI and Libraries* with Knowledge Management Section. Recommend possible 3-hour session. Guest: Sylvia Piggott of KMS SC
Piggott described the topic from the point of view of the KM Section. SC agreed to participate as a joint sponsor of the session. Bultini will lead the team of Balnaves, Sánchez Nogales, and Cardoso. Volunteered but did not confirm: Kiran Kaur (University of Malaya).

Based on audience feedback, we will hold a longer session on blockchain at WLIC2019. Chang will work with Schwarz, Kleinveldt, Kotsokoane, Stephen Wyber (IFLA), Sandy Hirsch (SJSU), and DDRS Section.

f. Division III is organizing an open session on services for refugees. IT Section was requested to propose IT perspectives on this theme for the call for papers. More information later. [LB]
One of the goals of the program is to make all the Sections in the Division work together, showing their various approaches to one topic. There will be a Zoom meeting of the Division after the Conference to define how to work. Weinraub is interested in working on this.

g. Big Data SIG open session? [WK]
Only a business meeting in planned for the 2019 Conference.
h. **Linked Data SIG open session? [EW]**  
   A decision will be made after contacts with other potentially interested Sections.

i. **A pre or post-conference in Rome about profiling. [EW]**  
   Weinraub informed that she received a proposal from representatives of the Library Theory and Research group around coordination of a post-conference meeting. Kleinveldt volunteered to help Weinraub with coordination.

j. **A lightning session?**  
   No decision on this

g. **Joint satellite on Technical Services and IT**  
   **Guest:** Andreas Kempf from Subject Analysis and Access Section.  
   Kempf informed that after the joint session organized in KL by Subject Analysis and Access, Cataloguing, Bibliography and IT Sections on the Role of Metadata Specialists in the Machine Age, there was a recommendation to hold a joint Satellite meeting in Athens with the theme as Technical Services and IT. The chairs of Cataloguing and Bibliography are also directly involved. Chang suggested that Kadesjö, the IT Section Secretary, would likely be interested in this as she often leads on these topics. Chang will contact Kadesjö. Verheusen volunteered to assist; non-SC volunteer is Cory Lampert (University of Nevada, Las Vegas, USA).

h. **Decision about whether to plan a satellite meeting at WLIC2020 (Auckland, NZ).**  
   Decision held off till WLIC2019.

7. **Next meeting of the Standing Committee**

   The IT Section SC 1 meeting will be on Saturday 24 August, 2019 in Athens, Greece.

8. **Any other business**

   There being no other business, the meeting adjourned at 16:00.