and investigated their phonon dispersion curves, mainly the temperature dependence of  $A_{1g}$  phonon mode, see Fig. 1. The results will be discussed in terms of enhanced magneto-elastic interaction which is responsible for formation of the vibron state.

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## 25<sup>TH</sup> GENERAL ASSEMBLY AND CONGRESS OF THE INTERNATIONAL UNION OF CRYSTALLOGRAPHY

### Workshop Current Trends and Future of Crystallography Meeting of the International Programme Committee

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It is a tradition of the IUCr congresses that the congress programme is put together during three day meeting of International Programme Committee (IPC), usually close to the congress venue. Such a face-to-face meeting can be very efficient with respect to sometimes endless e-mail discussions.

During discussions on the form of the meeting, we took into account that this will be anniversary the 25th congress and therefore it would be worthwile to prepare some overviews what is going on in current crystallography and since the work of the IUCr is also based on activities of its commissions we asked them to send us texts representing commissions, their subject, main topics, recent highlights etc..

We started the IPC meeting with presentations of all the IUCr commissions (their representatives in IPC) in one-day event we called workshop *Current Trends and Future of Crystallography* that was open to public. We also put an effort to early and quite frequent e-mail communication to IUCr commissions and IPC members in order to keep their discussions on IUCr congress live and thus avoid just picking up the topics a few hours before the deadline. It appeared, that everything was useful and well accepted and led to very efficient work of the IPC. Therefore, we can recommend it also for future and some points are summarized below.

#### Early setup of IPC

During the 24th IUCr congress, the commission chairs were asked to discuss and select their representatives for the Prague congress. The request to the commissions for submitting more candidates to IPC was sent in December 2017. More candidates are useful and also necessary to have a chance to make gender and regional balance of IPC. We have selected IPC members and asked them to accept the role in e-mails containing also a list of tasks they are expected to do, in spring 2018.

The IUCr EC approved the IPC in May 2018. Then the place and time of the IPC meeting and CTFC workshop were determined. Actually, from offered three months March-May, only one week in May seemed to be suitable for all. Such early announcement is useful for all since they can plan it well. Moreover, one may get better prices in the hotel and possibly for travel.

#### IUCr commissions

Chairs of all the IUCr commissions received a request to prepare a text representing the commissions at the workshop (in proceedings) and they were also informed that their representatives in IPC should have about 15 mins presentations there. The announcement was sent in August 2018 and then reminded several times with a few extensions of deadline from March 1, 2019 to and of April 2019. In instructions for the texts it was written the following.

"Since the IUCr commissions are different we are not putting any strict instructions for the text length nor the contents scheme. In all cases, it can be introduced by a short description and meaning of the commission subject. Then possibly structured, if there are more streams in the subject with examples of advances achieved. Highlights from last years, problems to be solved etc. It should not be only about avtivities of the commissions. They can be mentioned there too, in particular in connection to the above items."

# Database driven software for online input, editing and list of everything.

True online database allows very flexible work and easy generation of different lists, categories etc. It was designed and prepared in autumn 2018 but scripts were modified actually all the time. All data have been available for all the IPC members for all the time and, of course, ost important during the IPC meeting. In addition to the lists ordered by commissions, priorities and for people also by regions, countries and gender the so-called classified lists were generated according to the fields of interests in soem way similar to the ECA focus areas. They were also used to make some balance between these areas in the programme. Unlike the ECA, mutiple assignments of the lectures and sessions was allowed. The used itmes were: Biological and macromolecular crystallography, Physcis and fundamental



crystallography, Materials and Minerals, Chemical crystallography, structures, Methods, instrumentation, Theory, computation, modeling, data, standards and General interests.

#### CTFC workshop

The workshop was organized in Prague Congress Centre, whole day, on May 14, 2019. After short opening, the introductory speech on current trend and future of crystallog-raphy was given by one of the sponsors – Dubravka Sisak-Jung from Dectris and then all the commissions had short presentations. The texts were published in Materials Structure vol. 26 (2019) no. 2. Available online at www.xray.cz/ms.

In addition to IPC members, the workshop was open to other participants giving total number of 70 people. After lunch, participants had a chance to see the whole congress centre during a short excursion. The programme was finished by a dinner.

Such a meeting was organized for the first time and several IPC members strongly recommended to do it in the future as well. It is especially helfpful that all the IPC members can see at the beginning problems and topics of all other commissions. Then, the following discussions on the programme is easier and compromises are much better achieved.

#### **IPC** meeting

The IPC meeting on May 15-16, 2019 was held in the hotel Olsanka where IPC members were accommodated. Meeting started with discussion and then voting on plenary lectures then keynote lectures and finally microsymposia were discussed. Finally 3 plenary lectures from 26 suggested were selected and 34 keynote lectures from about one hundred proposals were chosen. Number of microsymposia was fixed basically to 104 (to about one half of all proposals). The co-chairs were not discussed in detail. After quite long-time preparation, the work of the IPC appeared to be efficient and we have arrived quickly in one and half day to the above reductions. Everything is expected to by approved by IUCr executive committee in June.

