

Minutes of the TC03 meeting held in Prague (CZ), on June 30th 2013, with the occasion of the 23rd International Congress on Glass.

Members present: Akira Takada, Hiromichi Takebe, Akira Saito, Gregory Tricot, Marek Liska, Maria Chromcikova, Lionel Montagne, Doris Möncke, Ondrej Gedeon, Efstratos Kamitsos, and Francisco Muñoz.

New persons joining the meeting: Jana Holubova (Univ. Pardubice, SK), Nehal Elkhoshkhany (Univ. Alejandría, Egipt), Anja Winterstein (OSI Jena, Germany) and Daniel Neuville (Institut de Physique du Globe de Paris, France).

1. Apologies for absence were received from Natalia Vedishcheva, Adrian Wright, Giuseppe Dalba, Qiming Liu, Natalia Karpukhina and Alex Hannon.

2. Chair position.

Daniel Neuville, from the *Institut de Physique du Globe de Paris*, France, was formally presented to be the chairman of TC03 committee for the next term 2014-2016. There were no objections or comments to this respect.

4. Results on Round Robin tests of NBS glasses.

The last results obtained on the characterization of sodium borosilicate glasses were presented by Gregory Tricot (NMR), Doris Möncke (Raman spectroscopy), Hiromichi Takebe (FTIR) and Akira Takada (Molecular dynamics). Marek Liska also presented a summary of methods and results obtained in collaboration with Natalia Vedishcheva. The main conclusion of the work is that MD and thermodynamics modelling can both reproduce with high accuracy the experimental results obtained through the different techniques, though it is not possible for MD calculations to reproduce the superstructural units represented through the thermodynamics modelling and these techniques cannot take into account phase separation yet.

5. Round Robin reports.

It was agreed that a report with all results obtained through the Round Robin tests of the Na₂O-B₂O₃-SiO₂ glasses should be produced at the end of the year. Additionally, a paper is to be written, gathering the most important and novel results on the studied system by the members who have performed the key experiments.

6. Future activities

The proposal of starting new Round Robins tests on different glass systems is well appreciated by TC03 members. During the next months, several “working groups” should be formed within the committee for defining the new activities, i.e. Round Robin tests, solution of glass structure related problems, questioning of established paradigms, etc.

7. Collaboration with other TCs and TC22 case.

All collaborative activities with other TC committees are welcome by the members of the group. In particular, as TC22 committee is likely to be finish its activities, a merge between TC03 and TC22 groups is much appreciated by the members of TC03, for

which not only structure but also properties of glasses is of most interest. This would also be an opportunity for enlarging the perspectives of TC03 committee and its potential to attract more people, from much different environments, and to develop a much broader field of activities.

8. Next meetings.

Members of TC03 committee agreed to celebrate several meetings during 2014. At the moment the most probable options are: GOMD-DGG joint conference in Aachen (Germany), the Borate-Phosphate conference in Podebrady (CZ) and the ESG conference in Parma (Italy).

9. Other issues.

Marek Liska commented on the idea for a research project proposal oriented to the H2020 programme of the European Commission in relationship with the experimental determination of thermodynamic quantities of glass systems that had not yet been studied.

Concerning the allocated place for TC03 activities in the ICG website, it is being regularly updated with results on NBS Round Robin, news and links to the minutes and annual reports.

Madrid, August 5th 2013

Francisco Muñoz
TC03 – Glass Structure