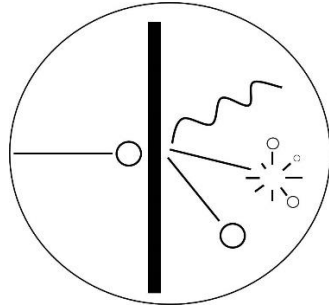


INTDS NEWSLETTER

International Nuclear Target Development Society



March 2021
Volume 46



**Copper samples as cut, lapped, and polished
prepared by Annett Hübner, GSI**

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1 Editorial

Dear Members of the INTDS!

This edition is dedicated to the difficult work of the INTDS Executive Board in pandemic times! At first, the Board had to cope with the problems resulting from the necessary social distancing and its consequences, like board elections via E-mail and postponing the INTDS conference for 2 years, as already reported in the last newsletter.

Additionally, the society has to face - and eventually solve - multiple challenges that had been procrastinated for a long time, like clarifying the legal status and location of the society and updating the by-laws. Please find the details in the summarized minutes of the Virtual Board Meeting(s) in the section **News from the INTDS Board**.

The Board also decided on organizing a virtual Membership Meeting. You should already have received the invitation. However, to play it safe you will find the invitation also in this edition. An active participation in this Membership Meeting with questions to or even better suggestions for the many issues discussed in the two Board Meetings will be more than welcome!

To give you the possibility of reading the reports and minutes of the Board Meeting in advance to the Membership Meeting, we decided to publish this edition earlier than planned. For that reason, the planned contributions we had to fill the series of **Targetlaboratories of the World** with a contribution from GSI this time.

Please help us, keeping the Newsletter interesting and informative and send contributions, ideas, advertisements, or whatever you want to share with the INTDS members to INTDS-Newsletter@gsi.de. So please, give yourself a jolt and share some of your tips and tricks with other target makers!

Birgit Kindler and Bettina Lommel

2 Target Laboratories of the World "The Target Laboratory of GSI"

GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt, Germany

by Bettina Lommel and Birgit Kindler



Figure 1: Entrance to the target laboratory.

Since the 1970ies, GSI operates an accelerator facility for fundamental research in nuclear physics, atomic physics, material science, plasma physics, and biology. Most ions from H up to U can be accelerated.

The GSI target lab was set-up in 1972 as technological support infrastructure for research and accelerator operation. In the target lab we produce targets from very thin layers up to massive bulk specimen. Since 2017, the laboratory moved to a new site with state of the art technical laboratory equipment (Fig. 1). The lab now is divided into three different zones: coating, analytics, and chemistry & preparation.

We produce targets for the heavy-ion beam from elements and compounds across the periodic system, self-supporting or on backings, with or without covering layers. One of our specialties are freestanding carbon layers of highest quality and durability and in a wide thickness range, applied as stripper, as target and as backing material.

For thin film targets, we have different techniques combined in several coating systems available as shown in Fig.2: Thermal evaporation, electron beam evaporation, resistance heating, and magnetron sputtering.



Figure 2: Coating laboratory.

We also produce thicker targets by cold rolling or by lapping and polishing; one nice example of a copper bulk target is displayed in the title photo to this issue. For characterization and documentation, we have a large variety of analytical techniques available as e.g. Scanning Electron Microscopy with Energy-dispersive X-ray Analysis, contact free thickness measurement with chromatic aberration and 3D-Scanning Microscope.

Additionally we use our expertise in chemistry to convert material in the compound and vice versa, depending on what is needed for deposition or as ion source material. Especially for the isotopes ^{48}Ca and ^{50}Ti , the target laboratory has developed processes with a very good yield to prepare metallic ^{48}Ca for the ECR ion source and ^{50}Ti for the penning ion source, as commercially only the oxides are available.

The Target Laboratory team is a frequently sought-after contact and advisor on issues of applied materials science, target development and isotope availability. Our service is available for research and accelerator at GSI & FAIR for experiments on site and abroad.

We work in close collaboration with the target laboratory at the Technical University in Darmstadt and with the institute for nuclear chemistry at the Gutenberg University in Mainz.

3 News from the INTDS Board

The INTDS Board met twice in 2020 virtually to cope with the rather unusual situation that never happened before. In the following you find the summary of the two consecutive meetings, so do not be irritated that some points are repeated!

3.1 Summary INTDS Virtual Board Meeting(s) 2020 (via Zoom)

(Reporting Secretary Birgit Kindler)

1st Virtual Board Meeting 2020

29th of September 2020 2 pm (CET)

Attendees: Klaus Eberhardt, John Greene, Ntombizonke Kheswa, Birgit Kindler, Hironori Kuboki, Bettina Lommel, Dorothea Schumann, Goedele Sibbens, Dannie Steski, Christelle Stodel, Anna Stolarz

1. Introduction of the board of directors

1.1. Election of new officers

- 1.1.1. Ntombizonke Kheswa is elected as new Vice-President with no dissent and no abstention!
- 1.1.2. Matthew Gott is elected as Assistant Treasurer with no dissent and no abstention!
- 1.1.3. Birgit Kindler is re-elected as Recording Secretary with no dissent and no abstention!
- 1.1.4. Other officers
 - 1.1.4.1. John Greene will leave the INTDS Board of Directors with the inauguration of the new Board. He refuses a proposition to stay on the Board as an extraordinary officer but agrees to assist the Board as a consultant and for special projects. John volunteers to revise and update the by-laws. The Board appreciates John's offer highly!
 - 1.1.4.2. The Board discusses the proposition of creating the position of an Assistant Webmaster and Database Manager as support for Anna Stolarz who fulfills this important task for many years. The online presentation of the Society and our work is more and more important. Therefore, it is necessary to introduce and train a second person in the matter to guaranty the continuity for this important task.
The problem of getting access to any institution by a foreign person is discussed. The Board agrees that in future the INTDS should acquire a cloud space or something similar from a commercial provider for the INTDS web and database to be independent from the institutions of the administrator(s) and to allow a worldwide access!

Possible candidates will be approached and any decision on changing the platform is postponed until an agreement regarding an assistant will be found.

1.2. Inauguration of

- 1.2.1. The Board officially inaugurates Klaus Eberhardt as Past President and thanks John Greene for his longstanding serving on the Board.
- 1.2.2. The Board officially inaugurates Christelle Stodel as President.

2. Report from the Organizing Committee of INTDS 2020 at PSI

The INTDS Board together with the local organization committee decided to postpone the INTDS 2020 due to the Corona pandemic. The conference will take place in 2022 at PSI. A new date will be found, as soon as planning is possible. PSI had no expenses incurred so far.

3. INTDS Memberships

The Board approves the motion to prolong all memberships for 2 years without additional fees with no dissent and no abstention!

The Board discusses the proposition to separate the membership fee from the conference fee as was done in the past

The Board agrees on the following:

- The issue of membership payment will be implemented in a revised version of the by-laws.
- The INTDS Board will discuss in advance of a conference with the local committee of the host institution if it is a problem to include the membership fee into the conference fee.
- If the membership fee can be included in the conference fee, INTDS-members could pay a reduced fee so that it is attractive for conference attendees to join the INTDS.
- If the inclusion is a problem, the membership fee can be paid either at a separate booth during the registration or via the INTDS-PayPal-account.
- INTDS-members who are not attending a conference will get an invoice from the Treasurer requesting those who still want to keep their membership with the society to pay their dues.
- Payment can be done via PayPal.
- These issues have to be addressed in the Host Guidelines that have also to be updated.

4. INTDS By-laws: Modification / correction

The Board agrees to update the by-laws immediately!

5. INTDS Elections 2020

Timeline INTDS Elections 2020 (connected to item 4.)

- The procedure of election – especially the periods – are not according to the regulations described in the by-laws or the *Guidelines for Election*. Nevertheless, the pandemic is a special case and under the term of Article III, Section 10, of the by-laws of the INTDS-Board of Directors can take any action necessary without a membership meeting, if two-thirds of the directors consent in writing to this action.
- On 20th of August 2020, the nomination committee presented a proposed slate and on 7th of September, it sent the draft of a cover letter, an introduction of the candidates and the ballot, and asked the Board for consent.
- In an e-mail action, the Board approved the documents as well as the terms unanimously, due to the exceptional circumstances that the world conference had to be cancelled at quite short notice.
- In this virtual meeting, the Board agreed to hold on the terms in the ballot. The Board asks the nomination committee to add Emilio Maugeri to the slate on the ballot and to the introduction of the candidates, and to resend all documents to the membership with a reminder of the 15th of October as deadline for sending the ballots.

6. Reports

Discussion and approval of reports:

6.1. Dannie Steski (Treasurer, Membership)

Reports were sent but not discussed yet.

6.2. Anna Stolarz (Website)

Anna Stolarz briefly presents the new INTDS website with a new design and a password-restricted area for Board members only where e.g. documents can be shared. The new design is well appreciated. [Anna Stolarz already created an access!]

6.3. Birgit Kindler/Bettina Lommel (Newsletter)

Report was sent but not discussed yet.

7. INTDS 2018

Report on INTDS 2018 conference at MSU

Frédérique Pellemoine did neither send a report nor did she connect to the meeting!

8. INTDS 2024

Not addressed yet.

9. INTDS Legal Status

John Greene contacted a lawyer concerning the status of INTDS and if and how an incorporation of the INTDS to Illinois would be feasible. The lawyer recommended strongly to immediately reinstating the society in California without changing anything and

regaining the non-profit status. Only after reinstatement, moving the society to another state should be considered.

10. Frank Karasek Fund

Not addressed yet.

11. Awards

Not addressed yet.

12. Next meeting

The Virtual Board Meeting will be continued in December. At this Board Meeting also the possibility of a Membership Meeting via Zoom or a similar system should be discussed to present the election results and a short summary of the Board Meeting!

2nd Virtual Board Meeting 2020

14th of December 2 pm (CET)

Attendees: Klaus Eberhardt, John Greene, Ntombizonke Kheswa, Birgit Kindler, Hironori Kuboki, Bettina Lommel, Emilio Maugeri, Frédérique Pellemoine, Dorothea Schumann, Goedele Sibbens, Dannie Steski, Christelle Stodel, Anna Stolarz

1. Report on INTDS 2018 conference at MSU

Frédérique Pellemoine presents the report on the conference at MSU. There are no questions to the report. (Report attached)
(Frédérique Pellemoine leaves the meeting)

2. Report from the Organizing Committee of INTDS 2020 at PSI

Dorothea Schumann reports that no costs due to the cancellation of the conference arose. She will send a Doodle query for the conference date in fall 2022 at PSI.

3. Reports - Discussion and approval – INTDS-Website

a. New test-website

- i. Anna Stolarz presents the new test-website, which has a password-secured area with access for board members only. Here documents can be shared and worked on by all Board Members.
- ii. In the new website, there will be as well areas accessible by log-in only by INTDS-members where for example the library (Newsletter, Bibliography) should be placed. This will create an incentive for people to join the society that perhaps do not want to participate in the conferences.
- iii. Anna Stolarz will implement the security certificates for the new website as soon as it will be online so that the website will run with a secure https-protocol (Information attached).
- iv. The University of Warsaw actually hosts the INTDS website so access and administration is only possible for members of the university.
- v. A transfer of the whole website to a worldwide accessible host is very important and should be approached as soon as the new website is active and a team for the “internet business” is completed.
- vi. Having the INTDS website on an independent platform would also allow the INTDS to pay for a commercial website building because the

administration of a functioning web is much easier than building it.

b. Assistant web / database administrator

- i. After the VBM in September, the Board approached Emilio Maugeri as a possible candidate for this position.
- ii. Emilio Maugeri is interested in supporting the INTDS and has some ideas on the presentation of the society online. In his opinion, a presence of the INTDS also in Social Media is mandatory for the visibility of the INTDS. For him it is absolutely necessary that the INTDS Board defines the philosophy of the internet presentation and all would have to be transparent for all persons involved! With these preconditions, he is eager to work for the INTDS and to learn what is necessary to do the job. He would also work on the technical issues in a cooperative environment. (Dorothea Schumann and Emilio Maugeri leave the meeting due to a parallel appointment.)
- iii. The INTDS website is one of the main pillars of the society so accessibility for more than one person is crucial. Sharing of responsibilities has to be set about; transfer of knowledge will take time, so someone should start learning soon.
- iv. In the moment, one cannot find the INTDS with search machines with keywords like “nuclear target”. To enhance the visibility, everyone can “train” the search engines with searches of “INTDS” and “target”. In addition, every member can include the INTDS web-address in the e-mail signature.
- v. A dedicated meeting on the website business is planned for beginning of 2021.

c. INTDS communication in Social Media?

The Board agrees on the following points:

- i. The test website with the new design, the separate access areas, and the plans for new contents and features is appreciated by the whole Board. Many thanks to Anna Stolarz for this work!
- ii. A stable classical website is essential for the INTDS.
- iii. All Board Members agree to work with the test website and communicate ideas to the whole Board.
- iv. The need for a presence of the INTDS in Social Media is discussed controversially. The fast change of Social Media Platforms is a problem for example.
- v. Presence and communication in Social Media is an issue but not first priority. It is necessary in near future to enhance visibility and attract younger people.
- vi. Social Media presentation is more complementary to the classical website.
- vii. Perhaps Emilio Maugeri is the right person for Social Media but another person would be better suited for assistance of the classical website with its technical challenges.
- viii. A team of three people taking care of the whole internet business could be a solution. Not all of them have to be officers so the Board is not too large. The whole membership could be asked for support.
- ix. Emilio will be asked to present his vision and concept to the Board in a separate meeting.

d. Corporate membership for the INTDS

- i. The Board agrees to create a *commercial membership* with a higher membership fee. This point has to be discussed in one of the next meetings and the conditions and privileges of such a commercial membership have to be defined.

- ii. This has also to be implemented in the new by-laws.
- iii. No company advertisements should be allowed directly on the INTDS website but corporate members could place a link.

4. INTDS By-laws: Modification / correction

- a. John Greene will prepare a draft for revised by-laws.
- b. Anna Stolarz will create a restricted area on the website for sharing documents so that every Board member can work on it in tracking mode.
- c. The revised by-laws will be finalized in the regular Board meeting in fall 2021 and will be voted on in the next membership meeting in 2022.
- d. John Greene works on the reinstatement of the non-profit status of the INTDS.

5. INTDS By-laws: Modification / correction INTDS Elections 2020 – Results

Bettina Lommel presents the election results (Report attached). The president will contact all candidates directly. The elected members will be announced in the next newsletter and on the website. (Both already took place.)

6. Reports – Discussion and approval:

a. Membership and Treasurer Report

- i. Regarding the membership report Dannie Steski explains that in the past people were kept on the membership list even if they did not pay their dues. Dannie Steski only counts those who really paid; therefore, the numbers have gone down.
There are no questions regarding the membership report.
The report is approved with no dissent.
- ii. Dannie Steski presents the treasurer report.
There are no questions regarding the treasurer report.
The report is approved with no dissent.
- iii. The INTDS bank account will be transferred to a bank that is accessible for the Treasurer Dannie Steski as well as for the newly inaugurated Assistant Treasurer Matthew Gott.
- iv. A PayPal-account exists and it is already in use.
- v. Anna Stolarz will place the PayPal-button on the new website.

b. Newsletter Report

- i. Birgit Kindler reports that the Newsletter Vol.44 was sent in July this year and it is planned to send Newsletter Vol.45 before Christmas (Already took place). The next one, Newsletter Vol.46, will be sent in beginning of 2021 and will include the summarized Minutes of the Board Meetings. Technical contributions, lab reports etc. are welcome!
The report is approved with no dissent.
- ii. Birgit Kindler suggests that the Board members should try to keep track of the emeriti whom they know personally.

7. Discussion on INTDS 2024 possible host institute (ORNL proposed as potential host for 2022)

ORNL volunteered as potential host for the INTDS conference in 2022. Christelle will ask if they ORNL is able and willing to host the INTDS also in 2024.

8. Frank Karasek Fund

- a. To advertise the existence and the possibilities of the Fund an article will be placed on the web and will be published in the next INTDS newsletter.
- b. The Board will establish formal rules about who is eligible. This will be implemented in the by-laws.
- c. Donations to the INTDS as well as to the Karasek Fund should be possible. For example, a part of a future Corporate Membership could go to the fund or money from commercial advertisement.
- d. In the moment, there are no rules for replenishing the fund.
- e. There is not much money available but the request for money from the fund was not high in recent years either.
- f. John Greene will work on rules and processes regarding the Karasek Fund.

9. Awards

- a. Normally, the awards are ceremonially handed-over during the conference. John Greene proposes to send them this time directly to the awardees with a letter from the president.
- b. Nevertheless, there will be an official ceremony at the conference in 2022.
- c. John Greene will take care of the plugs as soon as it will be possible due to Covid-19 and will include Matthew Gott in this process for continuity.
- d. After the awards are received the names of the laureates and their laudation will be published on the web and in the newsletter.

10. Next Meeting

- a. The Board decides to offer a virtual Membership Meeting in 2021.
- b. The invitation with the agenda will be sent via e-mail and comments from the members can be sent in advance. The Membership Meeting will then be mostly a presentation of the new board and the minutes.
- c. Birgit Kindler will prepare a detailed version of the minutes for the Board and a summarized version for the newsletter and the Membership Meeting.
- d. The dates for the Membership Meeting and a meeting dedicated for the discussion of web and internet issues will be scheduled beginning 2021.

Recording Secretary: Birgit Kindler

3.2 Election for the Board of Directors 2020

(Bettina Lommel, Head of Nomination Committee)

For the election for the board of directors Bettina Lommel (chair), Dannie Steski and Hironori Kuboki formed the nomination committee.

In 2020 four positions on the board expired.

For the four positions, the nomination committee suggested eight candidates from four different continents and seven different countries. A ninth candidate was suggested from an INTDS member by mail, as suggestions from the floor were not possible, as the conference in 2020 had to be postponed to 2022.

Three candidates were elected directly, for the fourth position the votes were tied, so this position had to be decided in a run off.

Elected as new officers on the board are in alphabetical order:

- Matthew Gott (Argonne National Lab)
- Ntombizonke Kheswa (iThemba LABS)

- Goedele Sibbens (EC-JRC-Geel)
- Masahiro Yoshimoto (J-PARC)

Therefore, the current executive board of the INTDS consists as follow:

- President: Christelle Stodel, (2020 – 2024), (GANIL, Caen, France)
- Vice-President: Ntombizonke Y. Kheswa (2020 – 2024), (iThemba LABS, South Africa)
- Past-President: Klaus Eberhardt, (2020 – 2024), (Johannes Gutenberg University, Mainz, Germany)
- Board of directors:
 - Matthew Gott (2020 -2024), Argonne National Laboratory, USA
 - Hironori Kuboki (2018 -2022), RIKEN, Saitama, Japan
 - Bettina Lommel (2018 -2022), GSI, Darmstadt, Germany
 - Goedele Sibbens(2020 -2024), EC-JRC,Geel, Belgium
 - Dannie Steski(2018 – 2022), Brookhaven National Laboratory, USA
 - Masahiro Yoshimoto (2020 - 2024), J-PARC, Tokai, Japan
- and appointed officers:
 - Corresponding Secretary/Treasurer Dannie Steski, (BNL, USA) (since2018)
 - Treasurer assistant Mathew Gott, ANL, USA (since 2020)
 - Recording Secretary Birgit Kindler, (GSI, Germany), (since2010)
 - Newsletter editor Birgit Kindler & Bettina Lommel, (GSI, Germany) (since 2019)
 - Bibliography data base manager Anna Stolarz, (HIL UW, Poland) (since 2000)
 - Webmaster Anna Stolarz, (HIL UW, Poland) (since2008)

In 2022, the position on the board of Hironori Kuboki, Bettina Lommel and Dannie Steski and Christelle Stodel (only as board member) will expire.

Bettina Lommel for the nomination committee, February 2021

3.3 I.N.T.D.S MEMBERSHIP REPORT Sept 28, 2020

(Dannie Steski, Corresponding Secretary/Treasurer)

	Dec. 2019	Sept. 2020
Paid Member	56	56
Emeritus	<u>14</u>	<u>12</u>
Total	70	68

Paid Membership by Continent:

Europe	20	20
North America	27	27
Asia	8	8
Africa	1	1
Australia	0	0

South America	0	0
Middle East	0	0

Respectively submitted,

Dannie Steski

INTDS Corresponding Secretary/Treasurer

David Gilliam

INDS Assistant Treasurer

3.4 I.N.T.D.S. TREASURER'S REPORT

(Dannie Steski Corresponding Secretary/Treasurer)

For period January 31, 2020 through September 28, 2020

RESPECTFULLY SUBMITTED September 28, 2020

Confidential information for members only

3.5 Report on the INTDS Web Site

(Anna Stolarz, INTDS Webmaster)

Report on INTDS web modification

Submitted to the VBM2020 part 2

prepared: 10.12.2020

The new site is nearly completed as presented by me to the Board members in the mail of 26 November 2020. The link to this new, still under construction site was provided in the mail and Board was invited to give feedback to the site.

The site contains 6 main pages with its subpages:

- About INTDS
 - Who we are?
 - Executive Board
 - By-laws
 - Awards & Honours > Awards guidelines
 - Election 2020-new
 - Karasek Fund
- Targepedia
 - About target
 - A bit of history
 - Parameters of targets
 - Methods
- Gallery: planned to show photos of various targets, strippers, target holders, interesting target stations, etc

- Library
 - Bibliography index
 - Proceedings
 - Newsletter > Newslett – archive
 - Lexicon
- Conferences
 - Conf-2020
 - Conf-Archive
- My INTDS
 - Log in
 - Membership
 - Tutorials
 - Useful links
 - Your profile
 - Membership
 - Tutorials
 - Useful links
 - Log out



About INTDS ▾ Targepedia ▾ Gallery Library ▾ Conferences ▾ My INTDS ▾

Home



Who we are?



Targepedia



Library



Conferences



Gallery



My INTDS

Actualities:

Election 2020
The new directors have been elected. Bla bla
The recent Executive Board can be found here

2020 conf postponed.
due to pandemic situation bla bla [more see here](#)



Each main menu entry, some still with ‘working title’ contains short information and subpages related to the topic addressed by the main one. The contents of some pages are just copy/pasted from the old site and adjusted to the new layout but there are as well quite a few pages newly created. Some areas or some pages are designed to be available to the Society members only and are password protected (available after log in).

In addition, the subpage Executive Board contains Board Corner available to the Board members only and protected with additional password. It contains such documents as By-laws, Guidelines, meetings minutes, info on coming Board meetings: link, agenda and other distributes documents. With time will be updated with other documents if pointed by the Board.

The accesses to the site will be based on the list provided by Dannie, our Treasurer. The Society members will be informed by e-mail about creation of the new site and provided with temporary individual password.

Pages listed above (and in the site) with italic font requires still some 'major' work: filling with information for which they are meant or decision to be taken by the Board e.g. on publishing commercial information (Useful links>list of retailers).

Probably some pages (like Gallery, Lexicon, Tutorials) will stay hidden at the moment of launching the whole site under the permanent address (i.e. intds.org) as not complete and will be made available to the public as soon as its contain will be completed.

Some time taking work has to be done with transferring the content of library (or rather creation of the new links to the transferred volumes) so here some delays may appear.

As works on site construction are all the time going on the contain of some may change in coming days.

Anna Stolarz

3.6 Status of the INTDS Newsletter 2020

- Newsletter #44 was sent on 22nd of July 2020.
- It was sent to 110 addresses (members, emeriti, conference participants since 2016). 20 mailings were undeliverable; the addresses will be deleted from the mailing list.
- Up to now, there is only one advertisement in the Newsletter from ACF, but Dick Fink from Applied Nanotech was interested, too!
- The next NL is planned for October/November 2020.
- Contributions, comments, proposals ,. are welcome, editorial deadline is 12th of October! (Newsletter #45 sent on 18th of December 2020!)

Bettina Lommel and Birgit Kindler, Newsletter Editors

4 INTDS Membership Meeting

On behalf of the Board, we are pleased to invite you for the biennial membership meeting on **Thursday March 25th at 2:00 pm** (Central European Time; UTC+1).

We are used to organize it during the conferences but this time due to pandemic situation, we have to carry the meeting using a zoom platform:

<https://qsi-fair.zoom.us/j/93012618149>

Meeting-ID: 930 1261 8149

Kenncode: INTDS

Please find the agenda of the meeting below.

For the questions or comments you would like to address do not hesitate either to send an e-mail to christelle.stodel@ganil.fr in advance or to use the chat that will be available during the meeting.

Christelle Stodel, President of the INTDS

INTDS Membership Meeting 2021
Thursday March 25th, 2021

Agenda

1. Introduction
2. Minutes of the 2019 virtual Board Meeting (Birgit Kindler)
3. Board elections (Bettina Lommel)
4. Membership and financial report status (Dannie Steski)
5. Report on INTDS newsletters (Birgit Kindler / Bettina Lommel)
6. INTDS Conferences:
 - i. Proceeding MSU
<https://www.epj-conferences.org/articles/epjconf/abs/2020/05/contents/contents.html>
 - ii. 2022 Edition (Dorothea Schumann)
 - iii. Next conference
7. INTDS web site: library, ...(Anna Stolarz)
8. Karasek fund (John Greene) and update on INTDS by-laws reviewing (John Greene)
9. Awards
10. Miscellaneous

5 Advertising



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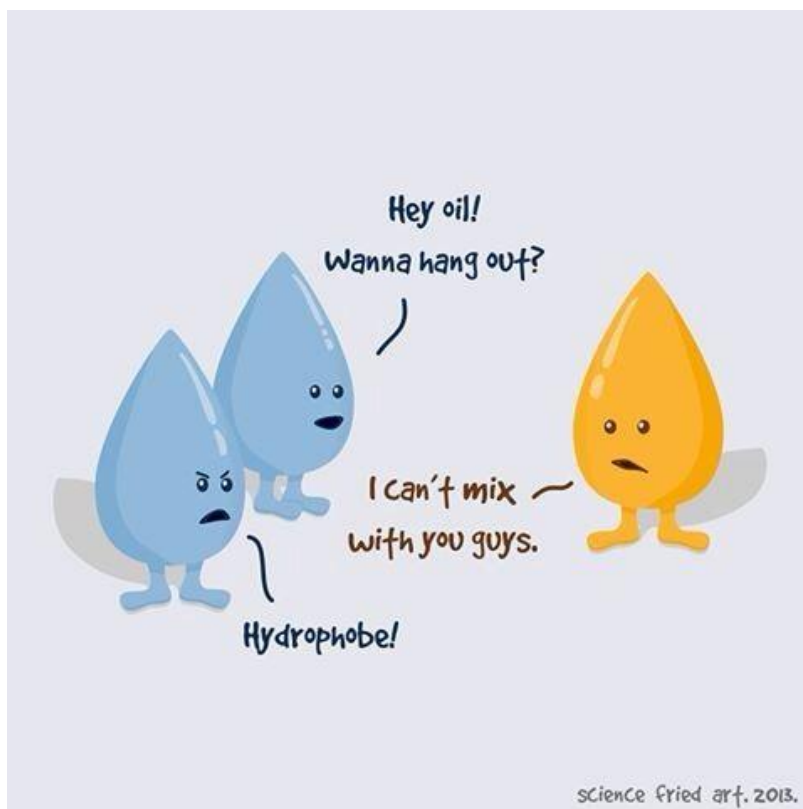
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6 Laughs for Target Makers



Not hydrophobic, just practicing Social Distancing



!

Source: www.cplabsafety.com or CP Lab Safety

For further information on the INTDS, please refer to our website on www.intds.org.