

## INSTRUCTIONS FOR ABSTRACT SUBMISSION VIA EASYCHAIR

The abstract submission for **ICGH10** will be managed through a web-based conference management system 'EasyChair'. The authors can submit, update and withdraw their abstracts through this system before the prescribed deadline for abstract submission. This document is intended to assist authors for their abstract submission.

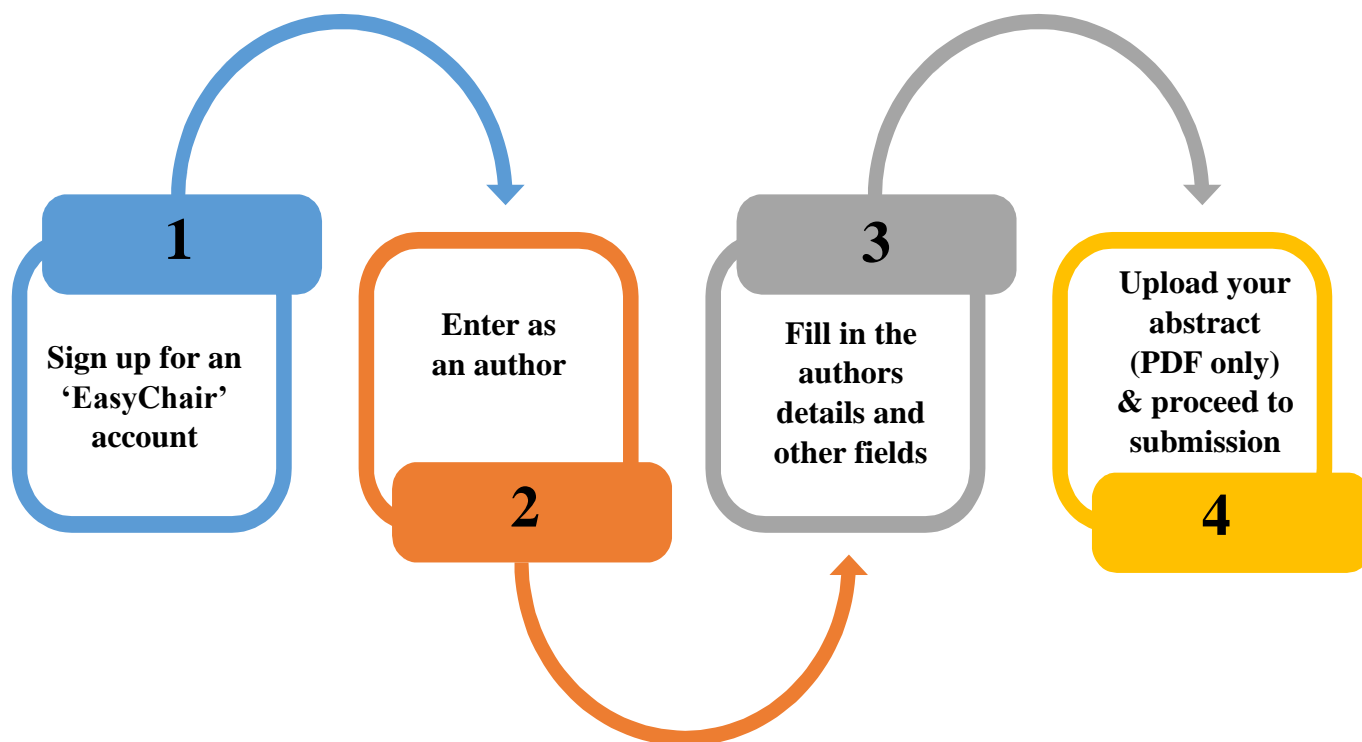
### Contact Information

ICGH10 Conference Website: <https://www.icgh10.com>

For any enquiries, please contact the ICGH10 Conference Secretariat,  
Email: [secretariat@icgh10.com](mailto:secretariat@icgh10.com)

### Major Steps for Abstract Submission

- ✚ Create an 'EasyChair' account
- ✚ Proceed to the abstract submission page
- ✚ Fill out the submission form and submit
- ✚ Update the submission if necessary



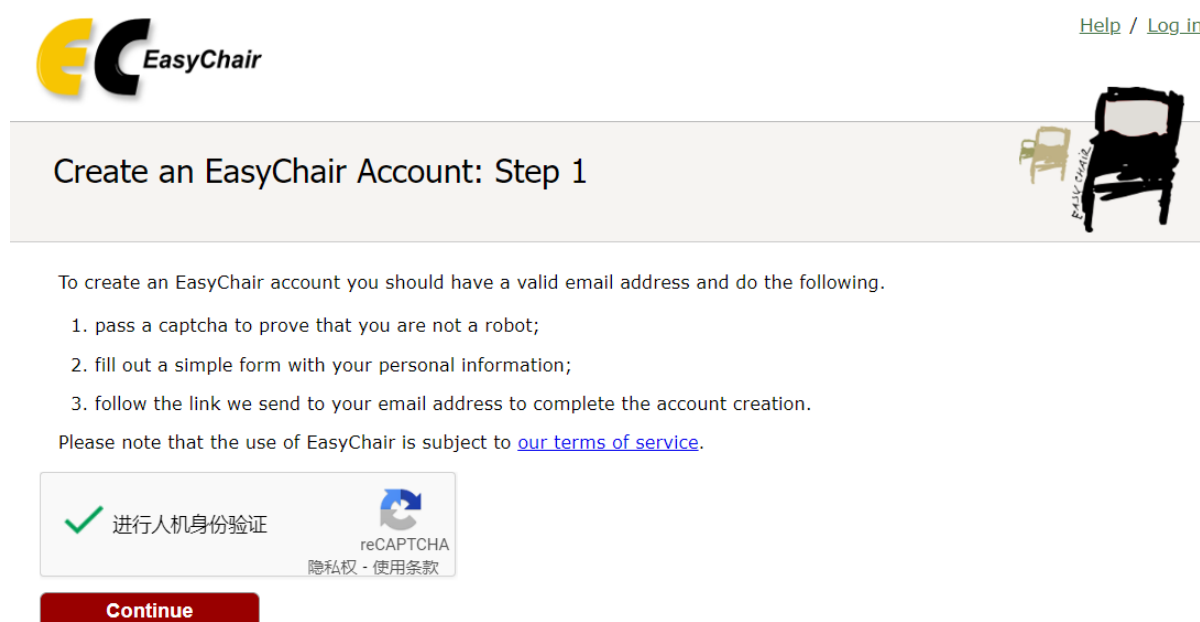
General overview

## 1. Create an ‘EasyChair’ account

If you already have an ‘EasyChair’ account from previous conferences, you can use that account for this submission as well. So please skip this step and proceed to **Step 2**.

If you have never used ‘EasyChair’ before, please create an ‘EasyChair’ account in the following link: <https://easychair.org/account/signup>

Follow the onscreen instructions and click on ‘*continue*’



[Help](#) / [Log in](#)

### Create an EasyChair Account: Step 1

To create an EasyChair account you should have a valid email address and do the following.

1. pass a captcha to prove that you are not a robot;
2. fill out a simple form with your personal information;
3. follow the link we send to your email address to complete the account creation.

Please note that the use of EasyChair is subject to [our terms of service](#).

✓ 进行人机身份验证

reCAPTCHA  
隐私权 - 使用条款

**Continue**

Fill out a simple form with your personal information and click ‘*continue*’. Note: ‘*Last name*’ is also referred to as surname or family name. ‘*First name*’ is also referred to as given name. If you have a middle name, you can add it after the first/given name with a space in between.



## Create an EasyChair Account: Step 2

Please fill out the following form. The required fields are marked by \*.

Note that **the most common reason for failing to create an account is an incorrect email address** so please type your email address correctly.

First name <sup>†</sup> : *	<input type="text" value="YE"/>
Last name: *	<input type="text" value="ZHANG"/>
Email: *	<input type="text" value="e0348809@u.nus.edu"/>
Retype email address: *	<input type="text" value="e0348809@u.nus.edu"/>

[Continue](#)

<sup>†</sup> Note: leave first name blank if you do not have one. If you are not sure how to divide your name into the first and last name, [read the Help article about names](#).

You may also be interested about [our policy for using personal information](#).

Following this, an email will be sent to your registered email address. Follow the link provided in the email and complete your registration by filling out the required information and provide a username and password. Click *'Create my account'* to finalize the account registration process.



## Create an EasyChair Account: Last Step

Hello Ye Zhang! To complete the creation of your account please fill out the following form. You should create the account within 30 minutes, otherwise you will have to fill out this form from scratch.

To use EasyChair, you must agree to its Terms of Service ([view terms](#)), ([download terms](#)).

I agree to EasyChair Terms of Service

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Enter your personal data.

First name<sup>†</sup>: \*

Last name: \*

Organization: \*

Country/region: \*

*The Web page is used to provide a link to it on some EasyChair pages, for example when you are mentioned as an author in a published conference program. It is optional. Please do not use the Web page of your organization here: if you fill this out, it should only be your personal Web page.*

Your personal Web page

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Enter your password

Password: \*

Retype the password: \*


**Create my account**

Click the following link ([https://easychair.org/help/account\\_creation](https://easychair.org/help/account_creation)) to access the help page if you encounter any problems during this process.

## 2. Proceed to the abstract submission page


Proceed to the abstract submission link: <https://easychair.org/conferences/?conf=icgh2023>

Login with your 'EasyChair' account.



[Help](#) / [Log in](#)

Log in to EasyChair for ICGH10 (2023)



Email address or user name:

Password:

**Log in**

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[Forgot your password?](#)  
[Problems to log in?](#)  
[Create an account](#)

Submission of new papers for ICGH10 (2023) (10th International Conference on Gas Hydrates) is open.

After successfully logging in, you will see your profile addressed with your full name.

Now enter as an author.



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### ICGH10 (2023) (10th International Conference on Gas Hydrates)

You are logged in to ICGH10 (2023) (10th International Conference on Gas Hydrates).

Use the links below to access ICGH10 (2023).

Author

• [author](#)

### 3. Fill out the submission form and submit

Click on the '*New Submission*' tab.



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### My Submissions for ICGH10 (2023)

Using the submission author environment you can view or manage your submissions to ICGH10 (2023). You can make new submissions or update your previous submissions.

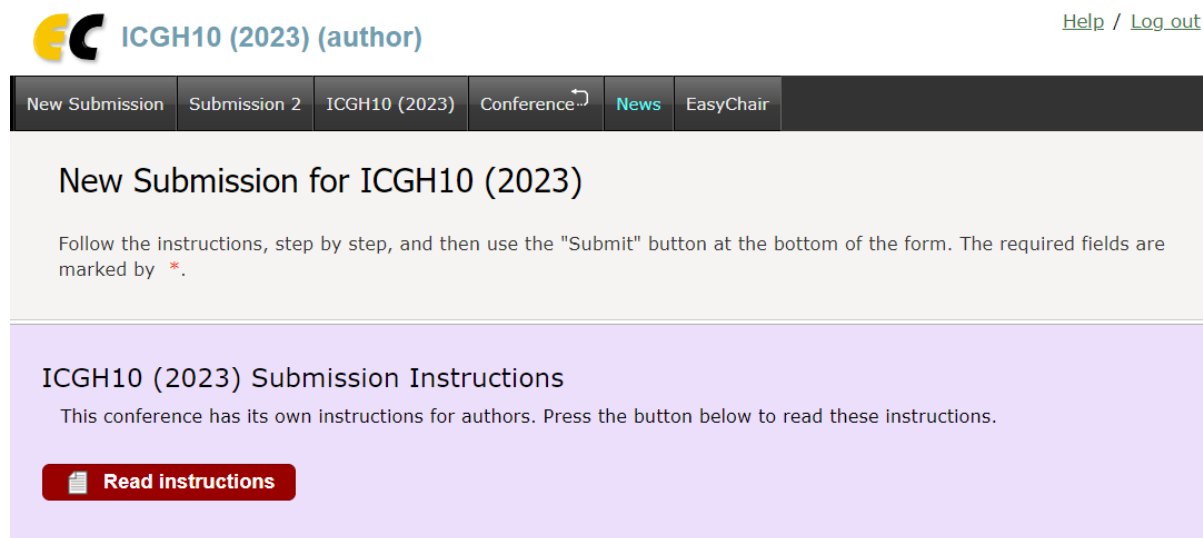
To **make a new submission** click on "New Submission".

To **view or update your existing submission** click on the corresponding "view" icon.

Additional information about submission to ICGH10 (2023) can be found at the [ICGH10 \(2023\) Web page](#).

Questions about submissions can be sent to the conference contact email [secretariat@icgh10.com](mailto:secretariat@icgh10.com).

Now you will be directed to the page where you need to fill in the details of your abstract.



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### New Submission for ICGH10 (2023)

Follow the instructions, step by step, and then use the "Submit" button at the bottom of the form. The required fields are marked by \*.

#### ICGH10 (2023) Submission Instructions

This conference has its own instructions for authors. Press the button below to read these instructions.

[Read instructions](#)

#### Author Information

For each author please fill out the form below. Some items on the form are explained here:

- **Email address** will only be used for communication with the authors. It will not appear in public Web pages of this conference. The email address can be omitted for not corresponding authors. These authors will also have no access to the submission page.
- **Web page** can be used on the conference Web pages, for example, for making the program. It should be a Web page of the author, not the Web page of her or his organization.
- Each author marked as a **corresponding author** will receive email messages from the system about this submission. There must be at least one corresponding author.

Keenly fill out the details, specify the corresponding authors and the speaker.

Note: '**Last name**' is also referred to as surname or family name. '**First name**' is also referred to as given name. If you have a middle name, you can add it after the first/given name with a space in between.

**By default all authors will be selected as a corresponding author, so please uncheck the box for those who are not the corresponding author.**

**Author 1** ([click here to add yourself](#))

First name<sup>†</sup>: \* Praveen

Last name: \* Linga

Email: \* praveen.linga@nus.edu.sg

Country/region: \* Singapore

Organization: \* National University of Singapore

Web page:

corresponding author  
 presenter

Fill in the title and your abstract as plain text into the following sections.

### Title and Abstract

The title and the abstract should be entered as plain text, they should not contain HTML elements.

Title: \* Key factors influencing the kinetics of tetra-n-butylammonium bromide hydrate formation as a cold storage and transp

Abstract: \* Cold energy storage by semi-clathrate hydrates is highly advantageous as they have large latent heat and appropriate phase change temperatures for cooling applications. The knowledge of semi-clathrate hydrate formation kinetics is essential to the process design and optimization for cold storage and transportation. This work investigated the kinetics of tetra-n-butylammonium bromide (TBAB) hydrate formation as a cold storage material using a quantitative method based on electrical resistance measurement. The effects of the initial TBAB concentration in solution (10 wt%-30 wt%) and mixing rate (250 rpm-550 rpm) were examined. As the initial TBAB concentration was increased from 10 wt% to 30 wt%, the induction time was shortened by 89% and the hydrate growth rate was enhanced by more than 5.6 times. Increase of mixing rate from 250 rpm to 550 rpm showed an 84.9% reduction of induction time and more than 44% increase of average hydrate growth rate. The addition of pre-produced hydrate seed into the subcooled TBAB solution immediately induced hydrate nucleation. The type of TBAB hydrates formed was dependent on the type of pre-produced seed. Type B TBAB hydrate seed is recommended to achieve faster hydrate formation kinetics, higher final hydrate fraction and avoid the structural transition from type A to type B hydrates. Finally, an artificial neural network model was developed for sensitivity analysis and revealed that TBAB concentration, temperature and type of seed were the three major contributors to the kinetic performance of TBAB hydrates formation. These results would provide valuable insights for optimizing the hydrate formation process for cold storage and transport applications.

## Keywords

Type a list of keywords (also known as key phrases or key terms), **one per line** to characterize your submission. You should specify at least three keywords.

Keywords: \*

Semi-clathrate hydrate  
Cold energy storage  
Formation kinetics  
Electrical resistivity  
Artificial neural networks  
Sensitivity analysis

The form also includes a number of other fields such as the topics and your presentation preference. Properly fill out these sections and upload the **PDF** file of your abstract. Click on the '**Submit**' button and your abstract will be submitted to ICGH10.

## Topics

Please select topics relevant to your submission from the following list. Topics are typically used for assigning submissions to reviewers and for conference analytics. You must select exactly one topic.

<input type="checkbox"/> Flow Assurance	<input type="checkbox"/> Gas Hydrate Fundamentals
<input checked="" type="checkbox"/> Gas Hydrate Technologies	<input type="checkbox"/> Gas Hydrate Environmental Impacts (Climate, Geohazard, etc.)
<input type="checkbox"/> Natural Gas Hydrate (Characterization, Exploration, Recovery, etc.)	

## Other Information and Files

**Presentation Preference.** \* Please select one option from the following list. The final decision on the presentation format rests with the Local Working Committee.

Oral  
 Poster  
 No preference

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**Abstract.** Upload your abstract (limited in length to 500 words). The abstract must be in PDF format.

1-s2.0-S1385...3385-main.pdf

## Ready?

If you filled out the form, press the 'Submit' button below. **Do not press the button twice: uploading may take time!**



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## ICGH10 (2023) Submission 2

If you want to **change any information** about your paper, use links in the upper right corner.

For all questions related to processing your submission you should contact the conference organizers.  
[Click here to see information about this conference.](#)

- [Update information](#)
- [Update authors](#)
- [Update file](#)

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- [Withdraw](#)

After successful submission, all authors (with correct email addresses specified) will receive an email notification as an acknowledgement for your submission. If you do not receive any email, please check the spam folder. You can also login to your 'EasyChair' account to check the status of your submission.

#### 4. Update the submission if necessary

Once you made a submission, you can update the information about your submission before the deadline of abstract submission. Such updates include updating title, author information, or uploading new versions of submission files. To update your submission, you should access your submission in ‘EasyChair’ as an author. You will see various update links on the right corner of the submission information page, including ‘*update information*’, ‘*update authors*’, and ‘*update file*’.

You can also withdraw your submission by using the ‘*Withdraw*’ option. This facility will be disabled after the closure of abstract submission, so you must contact the Conference Secretariat to delete your paper.

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For further assistance, please feel free to contact us. We look forward to meeting you in the conference!