



e WORKING WEEK 2021
21-25 JUNE

CALL FOR PAPERS

INVITATION

Due to the current COVID-19 situation and knowing that it might be difficult to meet in the Netherlands in June 2021, the FIG Working Week has been transformed into the FIG e-Working Week – in other words a virtual conference.

We are all coming to terms with and learning to adapt to our new, digital lifestyles and striving to maintain a semblance of normality, but the desire to see and hear from colleagues and friends becomes even more powerful when we are forced to be apart. FIG is determined to bring our global community together. Our world might be changing, but we still crave experiences and our desire to connect has never been stronger.

FIG and the local organisers from the Netherlands have started the process to transform the FIG Working Week to a virtual experience fitting with the needs of the FIG community. And we promise FIG e-Working Week 2021 will

- inspire & connect
- be a global event
- provide an attractive virtual programme
- bring qualitative good sessions
- provide an opportunity to exchange knowledge
- provide an opportunity to network & socialize
- bring different professional groups together

In other words: After attending FIG e-Working Week 2021 you will be: inspired, (re)connected, energized, gained knowledge and feel part of a community.

***We are pleased to invite you to submit an abstract for consideration
at the FIG e-Working Week 2021.***

THEME OF THE FIG e-WORKING WEEK

The theme for FIG e-Working Week 2021 will be the same as for the Working Week 2020:

Smart Surveyors for Land and Water Management Challenges in a New Reality

with an addition to reflect on working with and adapting to new realities, in this case the impact of COVID-19 on our profession. During FIG e-Working Week 2021, besides the subthemes *Smart Surveyors*, *Integrated Land and Water Management* and *Ten Years to Achieve the SDG's*, we also want to focus on the surveyors and the challenges they have in a unstable, uncertain and unpredictable world and with what technology, methods and procedures they face these new developments. How do surveyors adapt to these unexpected circumstances and what have we learned so far from these challenges?

The theme '*Smart Surveyor for Land and Water Management - challenges in a new reality*' is relevant both for the international community as well as for our local organisers from the Netherlands. Mapping and surveying are basic activities to support the management of land and water. Having almost 200 years of experience with mapping and more than 100 years of land consolidation, the Netherlands brings inspiring knowledge and experience to the FIG e-Working Week 2021. Apart from being known for its tulips, wind mills and clogs, with its almost 42,000 Square km the Netherlands is one of the most surveyed area in the world. Every square meter is mapped, registered and documented and it has to be, being densely populated, with more than 55% of the total country below sea level and being the second exporter of agricultural goods in the world.

THE SPECIFIC TOPICS OF FIG e-WORKING WEEK 2021

The overall theme *Smart Surveyors for Land and Water Management – challenges in a new reality*, is built up by the following sub-themes:

1. *Smart Surveyors*

During the FIG e-Working Week 2021, we will put the 'Smart Surveyor' at the centre stage. We will do so by preparing current and future generations of professionals, by sharing knowledge about approaches that work, by bridging the technological and the societal perspective, by educating our workforce, and by strengthening and developing our profession. Rapid urban growth, smart energy, cleaner mobility, and 'land rights for all' are some of the challenges demanding innovative surveying approaches and technologies. Sensing technologies, spatial data processing technologies and related approaches are already available. Use and improve them to become future proof, Smart Surveyors!





2. Integrated Land and Water management

Without integrated land and water management, the Netherlands as well as other coastal countries cannot sustain its agricultural and urban development. Climate change, though, increases the risks of sea and riverine floods while extended drought periods complicates this management task. Unorthodox measures are called for. Get familiar with these measures and discuss them from your critical surveyor perspective.

3. Ten years to go to achieve the Sustainable Development Goals

The countdown has begun, less than a decade to go to accomplish the Sustainable Development Goals. The SDGs are the blueprint to achieve a better and more sustainable future for all and surveying professionals have a key role to play. How did we, as surveyors, contribute to ending poverty, improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests? In addition, what will be our role for the coming ten years?



4. Challenges in a new reality



What impact is the coronavirus pandemic having on the geospatial industry worldwide? The current situation is unique. There are no textbooks from which we can learn how to master such a crisis. The impact varies from country to country and from organisation to organisation.

Such a change in reality brings challenges and opportunities. During FIG e-Working Week we want to focus on the surveyor and the challenges they have in an unstable, uncertain, unpredictable world and with what technology, methods and procedures they face these new developments. How do surveyors adapt to these unexpected circumstances and what have we learned so far from these challenges?

Please also see the section on Specification of topics of themes.

FIG e-WORKING WEEK CONCEPT

The FIG Working Week 2021 has been transformed into a virtual e-Working Week. This means that the conference format will be different from a “normal” Working Week since it is not possible to meet in person; however, this will open for new online opportunities. A virtual attendance gives possibility for many to attend who will not have the option to travel, so we hope to meet many at the e-Working Week.

The e-Working Week will be a mixture of sessions within the overall theme and topics and related to the work of the ten FIG Commissions and Networks and other activities following our overall aims that FIG Conferences shall provide: learning, connections and networking. The e-Working Week will therefore be composed both by sessions – plenary, high level, commission and also other activities that have the aim to bring participants together in the FIG Community.

As attendee of the FIG e-Working Week we will offer you five days of intensive learning, exchanging and experiences and being part of the FIG Community. A fee will give you full access to the live and on demand sessions, meeting rooms, discussion boards, various networking possibilities and the proceedings. Since the event will be virtual, the fees will be significantly lower than our regular FIG Working Weeks, allowing the whole FIG Community with over 250.000 members from 120 countries to join in this event.

Submit your abstract

You are encouraged to submit an abstract. The procedure will be different for this e-Working Week. Abstracts will be reviewed and if your abstract is approved, you will be asked to submit a full paper and a video presentation. The video presentation must not be longer than 4 minutes. All abstracts, papers, presentation handouts and videos will be included in the final proceedings. Papers and video presentations will be included in sessions as background material and will be available before the e-Working Week starts. A selection of authors from the open call for papers will be invited as presenter / panelist directly in sessions.

Deadlines

The deadlines are as follows:

Non-peer-review

Submission of:

- abstracts: 4 January 2021
- full paper: 1 March 2021
- video presentation / handouts: 10 May 2021

Peer review

Submission of:

- abstract AND full paper: 4 January 2021
- video presentation / handouts: 10 May 2021

We encourage you to consider the overall theme of FIG *e-Working Week 2021: Smart Surveyors for Land and Water Management - Challenges in a New Reality*, and the four main topics when you submit your abstract.

Many topics are multi-disciplinary and are relevant in both developing and developed world contexts. We encourage submissions of cross-disciplinary nature cutting across many disciplines/subject-areas.

SUBMISSION OF PROPOSALS

This **Call for Papers** is announced both for **peer review papers** and **non-peer review papers**. The submission of abstracts will be in English.

BECOME AN AUTHOR

1 SUBMIT AN ABSTRACT

If you would like to have your paper included in the proceedings, start by submitting an abstract. You will need the following: title, abstract, keywords and biographical information.

[View our Step-by-Step Guide to submitting an abstract.](#)

[Submit your abstract here.](#)

2 GET ACCEPTED

After we receive your abstract, it moves to the evaluation step. We welcome the submission of abstracts until 4 January. Abstracts will be reviewed before mid January.

[See important deadlines here.](#)

3 REGISTER

Once your abstract is accepted, you must register to ensure that your paper will be included in the proceedings.

[Submit your registration here.](#)

4 SUBMIT FULL PAPER & VIDEO PRESENTATION

Once your abstract is accepted, you must submit your max. 15 pages paper to fig@fig.net

[View our Paper Guidelines](#)

[View our Guide to prepare a video presentation](#)

5 PUBLICATION OF PROGRAMME

Your paper and video presentation will be included in a session as background material and will be available before the *e-Working Week* starts.

6 ATTEND THE *e-WORKING WEEK*

Enjoy the *e-Working Week* and connect with fellow participants.

A selection of authors from the open call will be invited as presenter/panelist in sessions.

SUBMISSION OF ABSTRACTS

We invite you to submit an abstract for the FIG e-Working Week by **4 January for Peer Review Papers** and **for Non-peer Review Papers**. The abstract shall be between 250 and 500 words in length describing the objectives, results, conclusions and significance of your work. The abstract shall include the names and affiliations of all authors. When submitting your abstract, the number of abstracts is limited to **a maximum of one per author**. Further, an author can only once be a co-author in another abstract. It means an author can only be involved in two abstracts, once as first author and once as co-author. Please feel free to submit an abstract on any topic related to the specific topics of FIG e-Working Week 2021. You can submit your abstract as “peer review” or “regular”.

Peer review paper

New! This review is “double-blind”, which means that at least 2 independent experts are reviewing your paper twice. To have your paper peer reviewed, there is a fee of **EUR 30.00 plus an administration fee**. The sum will be forfeited in the conference registration fees. After submitting your abstract, you will receive a confirmation email including a link to pay the fee. Please submit full paper and pay the fee by **4 January 2021**, otherwise your paper will be dropped from the peer review process, and your abstract will be handled as a regular paper instead.

In the conference programme a paper that has been accepted by the peer review process will be marked “*This is a peer reviewed paper*”. Papers that are not accepted by the peer review process can be offered to the conference as non-peer reviewed papers.

Accepted peer review papers will be published in FIG Peer Review Journal (ISSN No 2412-916X). For the journal, please visit www.fig.net/resources/publications/prj/index.asp

When preparing the paper, it is important to follow the guidelines outlined at https://fig.net/fig2021/general_information.htm.

Authors for peer review papers will be asked to submit a video presentation of a maximum of 6 minutes. The video presentation will be included in the proceedings and the peer review journal. Peer review papers and video presentations will be connected to an online session, however please note that only a very limited number of authors will be invited as panelist/presenter. This is a decision of the editorial board and cannot be influenced by the author. The presentation will be the video that is published in the proceedings.

At least one author of a peer review paper must register and pay the registration fee to be included in the proceedings, journal and technical programme.

Regular paper

A committee will make the final decision, whether an abstract will be accepted or rejected. The acceptance and inclusion in the proceedings are contingent on –

- Your full paper has to be submitted to fig@fig.net by **1 March 2021**. It is important to follow the guidelines outlined at https://fig.net/fig2021/general_information.htm. Papers submitted with incorrect formats will be returned to authors. The full paper has a maximum length of 15 pages.

- You can submit a 4 minutes video presentation that will be added to the proceedings by **10 May 2021**
- At least one author of a paper is required to register and pay fees by **1 March 2021**.

Please note, your video presentation will be included in the proceedings and your paper will be connected to a specific session. Please note, only a selection of authors from the open call for papers will be invited as presenter / panelist directly in sessions.

Submit your abstract

All abstracts shall be submitted online to FIG on the following web site:

www.fig.net/fig2021/submission.htm.

SUBMISSION OF FULL PAPER AND VIDEO PRESENTATION

If you wish to submit a peer review paper at the FIG e-Working Week 2021, please note the deadline for **full paper** is **4 January 2021**, for non-peer review paper the deadline is **1 March 2021**. When preparing the paper, please follow the guidelines prepared for papers (**paper guidelines** and the specific **paper template** for FIG e-Working Week 2021 that are available on the conference web site, https://fig.net/fig2021/general_information.htm). Please include at the end of your paper all your contact details, including your name, organisation and phone number and email, so the participants of the FIG e-Working Week can reach out for questions and a talk about your paper.

The deadline for submitting you video presentation is **10 May 2021**. There are several tools available to easily record a presentation. The simplest is to create a Voice Over PowerPoint presentation. For tips and tracks and guidelines preparing the video presentation, please see the conference web site, https://fig.net/fig2021/general_information.htm.

Full paper and video presentation shall be submitted in **electronic format** to International Federation of Surveyors.

Receipt of your abstract, paper and video presentation will be acknowledged electronically according to the time schedules.

When submitting a paper and video, the author(s) agree that FIG has the right to publish the paper and video in the conference proceedings (at the conference and on the FIG web site); in the FIG Surveyors Reference Library; and in the FIG online journal (if selected for this purpose) without any further agreement or compensation. The copyright of the paper remains by the author(s).

SCIENTIFIC COMMITTEE

The Scientific Committee of the Technical Programme:

Winnie Shiu, China	Maria João Henriques, Portugal
David Mitchell, Australia	Daniel Paez, Colombia
Hartmut Müller, Germany	Marije Louwsma, the Netherlands
Mohd Razali Mahmud, Malaysia	Ben Elder, United Kingdom
Daniel Roman, United States	Alan Muse, United Kingdom

The Scientific Committee of the Peer Review Papers:

Chief Editor: Volker Schwieger, Germany

Members:

Chryssy Potsiou, Greece	Maria João Henriques, Portugal
Gerda Schennach, Austria	Marije Louwsma, the Netherlands
Hartmut Müller, Germany	Yerach Doytsher, Israel
Heidi Falkenbach, Finland	Jesper Paasch, Sweden

Review team of more than 100 reviewers. For the list of reviewers, please visit:
<http://fig.net/resources/publications/prj/index.asp>

SPECIFICATION OF TOPICS AND THEMES

Proposals for papers **non-peer review** and **peer review** are requested in all topics of interest of the following:

FIG COMMISSIONS

Professional Standards and Practice – FIG Commission 1

- International Ethics Standards
- Women in Surveying
- International Boundary Settlement and Demarcation

Professional Education – FIG Commission 2

- Developing academic networks for knowledge sharing
- Curriculum for Blended learning
- Blended Learning: lessons from COVID responses

Spatial Information Management – FIG Commission 3

- Geospatial Information Infrastructure for Smart Cities
- Geospatial Big Data: collection, processing, and presentation
- User-Generated Spatial Content Empowering Communities
- 3D Cadastres
- GIS Tools for Spatial Planning
- Geospatial Next

Hydrography – FIG Commission 4

- Standards and Guidelines for Hydrography
- Blue Growth & UN Sustainable Development Goal 14
- Mapping the Plastic
- Marine Development and Administration

Positioning and Measurement – FIG Commission 5

- Standards, Quality Assurance and Calibration
- 3D Reference Frames
- Vertical Reference Frames
- GNSS
- Multi-Sensor-Systems
- Cost Effective Positioning

Engineering Surveys – FIG Commission 6

- Deformation Monitoring and Analysis
- Landslides Monitoring
- UAV in Surveying

Cadastre and Land Management – FIG Commission 7

- Cadastre Technologies and Smart City
- Fit-for-purpose (FFP) implementation
- Cadastral Template 2.0 and the SDGs
- Urban Challenges

Spatial Planning and Development – FIG Commission 8

- Rural – urban dependency
- GIS tools for spatial planning
- Urban Challenges
- Land policy instruments for spatial development
- African Water Governance

Valuation and the Management of Real Estate – FIG Commission 9

- Manual and due diligence protocol for the ‘Valuation of Unregistered Lands and informal property’
- Blockchain
- Urban Challenges

Construction Economics and Management – FIG Commission 10

- International Construction Measurement Standards
- Digital Construction
- Education and Research

FIG PERMANENT INSTITUTIONS

The **Permanent Institution of History for Surveying and Measurement** invites contributions on the history of surveying and measurement, and the techniques and instrumentation involved.

FIG NETWORKS

Papers are also invited on the areas covered by FIG Networks:

FIG Young Surveyors Network would like to see contributions from young surveyors in all ten Commissions.

FIG Standards Network invites contributions on standards related to the surveying and geospatial profession.

Regional Capacity Development Networks

- Africa
- Asia/Pacific

with the following topics:

- Capacity Development case studies and initiatives in our challenging environment
- Geospatial Information Management, Capacity Development and the SDGs
- Collaboration – the key to developing Geospatial and Geodetic Capabilities
- Core Geospatial and Geodetic Competencies for the Surveyor
- Capacity Development and Organisational Planning for Sustainable Land and Water Management.

FURTHER INFORMATION

For any information see the conference web site: <http://www.fig.net/fig2021>.

Please note that if you have submitted a paper that is accepted for the proceedings you must register for the conference before **1 March 2021**, or your paper and video presentation will otherwise not be included in the technical programme.

Any inquiries on call for Papers, abstracts, peer review process, technical programme or video presentation, please contact the FIG Office (Email: fig@fig.net, tel +45 9391 0813).

We look forward to meeting you online to a different and exciting event.

Yours sincerely,

Ms. Louise Friis-Hansen
FIG Director/
Co-Conference Director

Ms. Paula Dijkstra
Co-conference Director

IMPORTANT DATES

Deadlines for submitting abstracts, papers and registration are:

NON PEER REVIEWED PAPERS	PEER REVIEWED PAPERS
4 January 2021	4 January 2021
Deadline for authors to submit non peer reviewed abstracts.	Deadline for authors to submit abstracts as well as full papers for peer review.
Mid January 2021	Mid February 2021
Confirmation to authors of acceptance of non peer reviewed abstracts.	First notification to authors of acceptance of peer reviewed papers. For accepted papers, authors will also be notified of any modifications required by the reviewers. Authors of papers not accepted for peer review will be offered to convert the paper to the non peer review process.
1 March 2021	1 March 2021
Deadline for submission of full paper.	Deadline for authors to submit revised full paper for 2nd round of peer review (depending on proposed corrections from reviewers).
	5 April 2021
	Second notification to authors of acceptance of peer reviewed papers with the possibility of further modifications from the 2 nd round of peer review.
ALL PAPERS (PEER REVIEWED AND NON PEER REVIEWED)	
1 March 2021	
Deadline for all authors to register.	
End March 2021	
First draft of the technical programme will be published on the web.	
10 May 2021	
Deadline for submission of video presentation/handouts	
21 – 25 June 2021	
FIG e-WORKING WEEK	