

# NCR DAYS 2018

The future river

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Gert-Jan W. Geerling, Truus Karlas-van Panhuis & Jaap C.J. Kwadijk (eds.)

8-9 February 2018

Organising partner:



Co-sponsored by:



**Conference venue**

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# Introduction

The NCR DAYS 2018 present the 20th time this conference is organised! Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

With riverine thoughts,  
the LOC



# Conference details

## Organising partner

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## Venues

Our campus was founded by the Visigoths and is widely considered ... Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

## Local organising committee (LOC)

The LOC, colloquially refereed to as 'The Avengers' consists of ... Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.





# Program

*add program here*



# Keynotes

# A good title only has one capitalised word

Jonathan Archer<sup>a,b,\*</sup>, Montgomery Scott<sup>a</sup>, Kathryn Janeway<sup>a</sup>

<sup>a</sup>24-593 Federation Drive, San Francisco

<sup>b</sup>360 Park Avenue South, New Berlin

**Keywords** — Keyword1, Keyword, Keyword3

## Sectioning

The common paragraph structure of a paper is: Introduction (background, motivation of research), Method, Results, Conclusion, (Acknowledgements), References. There is no abstract or subtitle, but you can provide up to three keywords.

### Subsection

You can use subsection to structure sections. Don't use levels lower subsections (so no sub-subsections or paragraphs). When abbreviations are used in an abstract submitted to the Netherlands Centre for River studies (NCR), make sure they are explained the first time introduced.

## Lists

To list items, you can either use numbered lists:

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2. Item 2

Or bullets:

- Item 1
- Item 2

## Figures

Refer to figures in the text as: Fig. 1. Each figure has a figure caption below the figure (see example Fig. 1). Make sure that the text and numbers in the figure are legible and of good quality. When fitting a figure in a column makes the figure illegible, you can use the entire

## Citing and referencing

Refer to literature in the text as ([Beck, 2002](#)) or when the authors name is used in the text: [Beck \(2002\)](#). Use the prescribed bibliography style file. Make sure that all references mentioned in the text are listed at the end of the paper under references and vice versa. Refer to an address of website, repository or explicitly: [www.ncr-web.org](http://www.ncr-web.org).

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URL: [www.startfleetacademy.com/jonathan](http://www.startfleetacademy.com/jonathan) (Jonathan Archer)



Figure 1: A photograph of a feline studying momentum distribution in a strongly curved open channel

## Tables

Refer to tables in the text as: Table 1. Each table has a table caption above the table. The layout is flexible and to your own preference. However, make sure that the table is legible. The same as with figures, when fitting a table in a column reduces the legibility, you can use the entire width of the page.

Table 1: Tables

	Column 1	Column 2
Row 1	item(1,1)	item(1,2)
Row 2	item(2,1)	item(2,2)

## Equations

$$Y_i = \nu + \beta(X_i - \mu) + \theta\lambda \quad (1)$$

## Conclusion

The conclusion goes here.

## Acknowledgements

This research has benefited from cooperation within the Netherlands Centre for River studies and is sponsored under grant Wolf-359

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## Session I

### Morpho- and hydrodynamic processes

# A good title only has one capitalised word

Jonathan Archer<sup>a,b,\*</sup>, Montgomery Scott<sup>a</sup>, Kathryn Janeway<sup>a</sup>

<sup>a</sup>24-593 Federation Drive, San Francisco

<sup>b</sup>360 Park Avenue South, New Berlin

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# Title, only first letter capital (Arial bold 16 pt)

*Empty line or special paper notice. Arial italic 10 pt.*

(Authors: full first name preferred. Affiliation letter in superscript. Arial 10 pt, e.g. Albert B. Author<sup>a,b\*</sup>, Collin Author<sup>a</sup>)

<sup>a</sup>Affiliation full address (Arial italic 9 pt)

<sup>b</sup>Second affiliation full address (Arial italic 9 pt)  
(empty line, Arial 10 pt)

**Keywords** — Keyword 1, Keyword 2, Keyword 3

(Empty line Arial 10 pt)

## Layout (Headings: Arial bold 11 pt)

Main text: Arial 10 pt, justified. Paper Size A4. Margins: Top: 2.5 cm, Left 2.5 cm, Bottom 2.5 cm, Right 2.5 cm. Header: 1.25 cm, Footer: 1.25 cm. Title, authors and addresses are across the whole page, the main text is in two columns (Width: 7.4 cm, Spacing: 1.2 cm). All text is aligned left. Line spacing: single.

(Between paragraphs empty line Arial 10 pt)

## Structure

The common paragraph structure of a paper is: Introduction (background, motivation of research), Method, Results, Conclusion, (Acknowledgements), References. No abstract is required.

Numbering or bullets:

1. Numbers are aligned left, indent 0.5 cm.
- Bullets are aligned left, indent 0.5 cm.

## Subparagraph

Subparagraphs with a heading have a heading in Arial bold and italic 10 pt and are separated from the preceding text by an empty line.

Subparagraphs without heading can be separated by either an empty line or by an indent of 0.5 cm, depending on your preference or available space.

When abbreviations are used, make sure they are explained the first time introduced.

## Figures

Refer to figures in the text as: Fig. X, where X is the number of the figure. Each figure has a figure caption below the figure (see example Fig. 1). Make sure that the text and numbers in the figure are legible and of good quality. When fitting a figure in a column makes the figure illegible, you can use the entire width of the page. Figures can be in colour.

as

## Tables

Refer to tables in the text as: Table X. Each

\* Corresponding author

Email address: [a.b.author@affiliation.com](mailto:a.b.author@affiliation.com) (A.B. Author)

URL: [www.affiliation.com/abauthor](http://www.affiliation.com/abauthor) (A.B. Author)

(Arial, 8pt)

!! Do not change location of this box !!

table has a table caption above the table (see example Table 1). The layout (lines/no-lines, font size ( $\leq 10$  pt)) is flexible and to your own preference. However, make sure that the table is legible. The same as with figures, when fitting a table in a column reduces the legibility, you can use the entire width of the page.

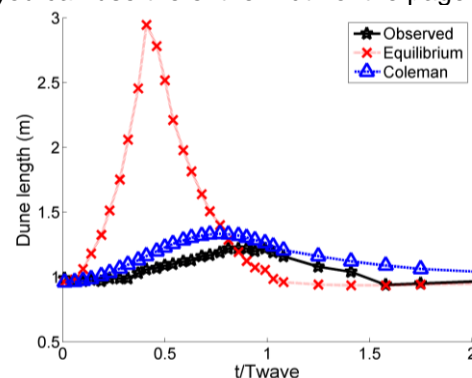


Figure 1. Dune height and dune length prediction using the time-lag approach. (Example of a figure with caption, Arial italic 8 pt.)

Table 1. Maximum discharge ( $\text{m}^3/\text{s}$ ) and associated water level (cm +NAP) in the Rhine at Lobith in the period 2005-2010 (data from <http://live.waterbase.nl/>). (Example of table with heading, Arial italic 8 pt.)

Year	Discharge ( $\text{m}^3/\text{s}$ )	Water level (cm + NAP)
2005	5542	1333
2006	5776	1351
2007	6136	1377
2008	4473	1231
2009	4417	1227
2010	5829	1354

## Equations

Equations are in Arial italic 10 pt. For example:

$$C_r = \sqrt{\frac{1}{\frac{1}{C_0^2} + \frac{C_D D h N}{2gA_p}}} \quad (1)$$

Leave an empty line before and after the equation. Number equations as above and refer to equations in the text as Eq. (X) or (Eq. X). Explain all symbols in the equations.

### References in text

Refer to literature in the text as (Author, 2007) or when the author's name is used in the text: Author (2007). Two authors are referred to as (Author and Bauthor, 2007). When there are more than two authors refer to (Author et al., 2007). Make sure that all references mentioned in the text are listed at the end of the paper under references and vice versa.

### References

References are in Arial 8 pt. Indent second line: 0.25 cm. Below examples are given for different sources.

#### *Paper:*

Shiono, K., Knight, D.W. (1991) Turbulent open channel flows with variable depth across the channel. *Journal of Fluid Mechanics*, 222: 617-646.

#### *Book:*

Jansen, P.Ph., Van Bendegom, L., Van den Berg, J., De Vries, M., Zanen, A. (1979) *Principles of river engineering. The non-tidal alluvial river*. Delftse Uitgevers Maatschappij. 509 p.

#### *Report:*

Parmet, B.W.A.H., Van de Langemheen, W., Chbab, E.H., Kwadijk, J.C.J., Diermanse, F.L.M., Klopstra, D. (2001) *Analyse van de maatgevende afvoer van de Rijn te Lobith*. Institute for Inland Water Management and Waste Water Treatment (RIZA), RIZA report 2002.012. Arnhem, The Netherlands.

#### *Website:*

McGahey, C. and Samuels, P. G. (2006) *Methodology for Conveyance estimation in Two-Stage Straight, Skewed and Meandering Channels*, <http://www.river-conveyance.net/documents/AHRXXXCongresspaper.pdf>. Last accessed Jan. 2006.

## Session II

### Rivers, health and ecosystems

# Title, only first letter capital (Arial bold 16 pt)

*Empty line or special paper notice. Arial italic 10 pt.*

(Authors: full first name preferred. Affiliation letter in superscript. Arial 10 pt, e.g. Albert B. Author<sup>a,b\*</sup>, Collin Author<sup>a</sup>)

<sup>a</sup>Affiliation full address (Arial italic 9 pt)

<sup>b</sup>Second affiliation full address (Arial italic 9 pt)

(empty line, Arial 10 pt)

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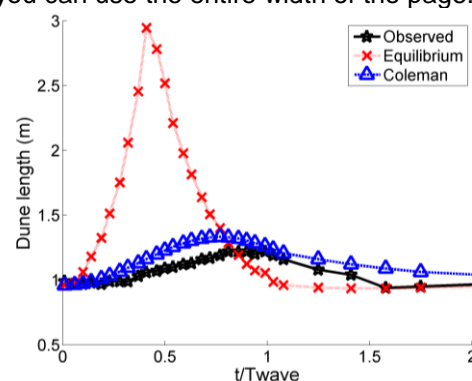


Figure 1. Dune height and dune length prediction using the time-lag approach. (Example of a figure with caption, Arial italic 8 pt.)

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Leave an empty line before and after the equation. Number equations as above and refer to equations in the text as Eq. (X) or (Eq. X). Explain all symbols in the equations.

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## Session III

### Communication and participation

# Title, only first letter capital (Arial bold 16 pt)

*Empty line or special paper notice. Arial italic 10 pt.*

(Authors: full first name preferred. Affiliation letter in superscript. Arial 10 pt, e.g. Albert B. Author<sup>a,b\*</sup>, Collin Author<sup>a</sup>)

<sup>a</sup>Affiliation full address (Arial italic 9 pt)

<sup>b</sup>Second affiliation full address (Arial italic 9 pt)

(empty line, Arial 10 pt)

**Keywords** — Keyword 1, Keyword 2, Keyword 3

(Empty line Arial 10 pt)

## Layout (Headings: Arial bold 11 pt)

Main text: Arial 10 pt, justified. Paper Size A4. Margins: Top: 2.5 cm, Left 2.5 cm, Bottom 2.5 cm, Right 2.5 cm. Header: 1.25 cm, Footer: 1.25 cm. Title, authors and addresses are across the whole page, the main text is in two columns (Width: 7.4 cm, Spacing: 1.2 cm). All text is aligned left. Line spacing: single.

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## Tables

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\* Corresponding author

Email address: [a.b.author@affiliation.com](mailto:a.b.author@affiliation.com) (A.B. Author)

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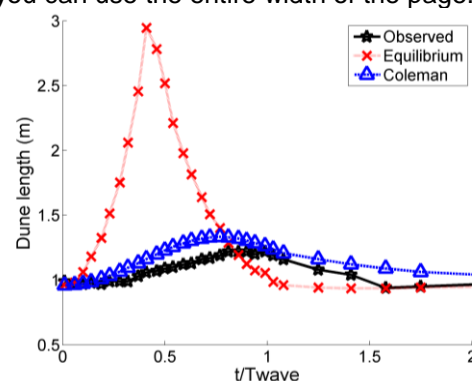


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## Session IV

# Management of Self-Sustaining Rivers

# Title, only first letter capital (Arial bold 16 pt)

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**Keywords** — Keyword 1, Keyword 2, Keyword 3  
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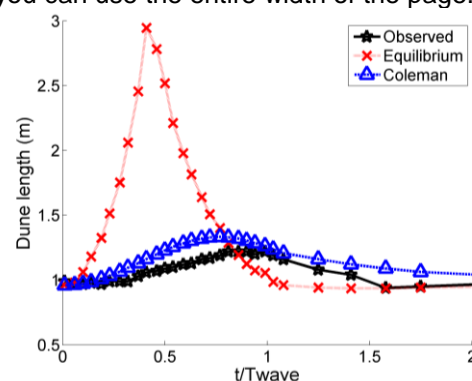


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## Session V

# Advances in river modelling and observation

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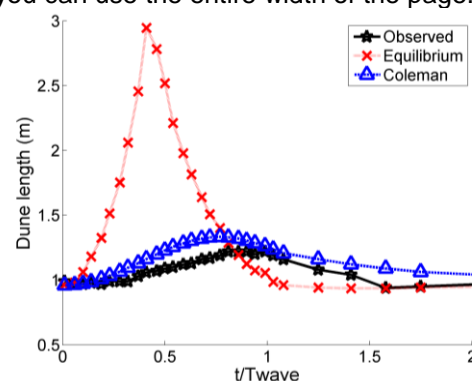


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# Session VI

## Estuaries and Deltas

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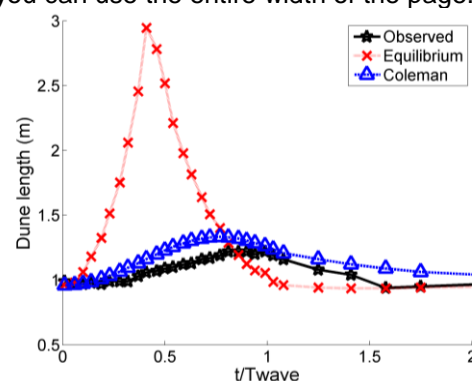


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## Session VII

### Understanding river engineering

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as

## Tables

Refer to tables in the text as: Table X. Each

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(Arial, 8pt)

!! Do not change location of this box !!

table has a table caption above the table (see example Table 1). The layout (lines/no-lines, font size ( $\leq 10$  pt)) is flexible and to your own preference. However, make sure that the table is legible. The same as with figures, when fitting a table in a column reduces the legibility, you can use the entire width of the page.

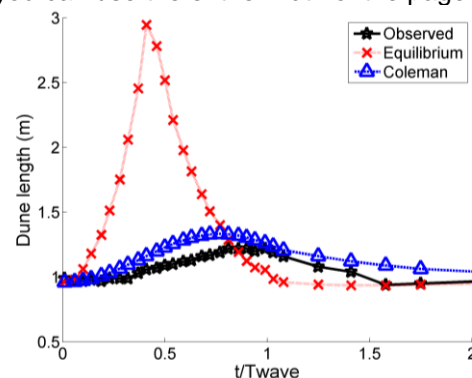


Figure 1. Dune height and dune length prediction using the time-lag approach. (Example of a figure with caption, Arial italic 8 pt.)

Table 1. Maximum discharge ( $\text{m}^3/\text{s}$ ) and associated water level (cm +NAP) in the Rhine at Lobith in the period 2005-2010 (data from <http://live.waterbase.nl/>). (Example of table with heading, Arial italic 8 pt.)

Year	Discharge ( $\text{m}^3/\text{s}$ )	Water level (cm + NAP)
2005	5542	1333
2006	5776	1351
2007	6136	1377
2008	4473	1231
2009	4417	1227
2010	5829	1354

## Equations

Equations are in Arial italic 10 pt. For example:

$$C_r = \sqrt{\frac{1}{\frac{1}{C_0^2} + \frac{C_D D h N}{2gA_p}}} \quad (1)$$

Leave an empty line before and after the equation. Number equations as above and refer to equations in the text as Eq. (X) or (Eq. X). Explain all symbols in the equations.

### References in text

Refer to literature in the text as (Author, 2007) or when the author's name is used in the text: Author (2007). Two authors are referred to as (Author and Bauthor, 2007). When there are more than two authors refer to (Author et al., 2007). Make sure that all references mentioned in the text are listed at the end of the paper under references and vice versa.

### References

References are in Arial 8 pt. Indent second line: 0.25 cm. Below examples are given for different sources.

#### *Paper:*

Shiono, K., Knight, D.W. (1991) Turbulent open channel flows with variable depth across the channel. *Journal of Fluid Mechanics*, 222: 617-646.

#### *Book:*

Jansen, P.Ph., Van Bendegom, L., Van den Berg, J., De Vries, M., Zanen, A. (1979) *Principles of river engineering. The non-tidal alluvial river*. Delftse Uitgevers Maatschappij. 509 p.

#### *Report:*

Parmet, B.W.A.H., Van de Langemheen, W., Chbab, E.H., Kwadijk, J.C.J., Diermanse, F.L.M., Klopstra, D. (2001) *Analyse van de maatgevende afvoer van de Rijn te Lobith*. Institute for Inland Water Management and Waste Water Treatment (RIZA), RIZA report 2002.012. Arnhem, The Netherlands.

#### *Website:*

McGahey, C. and Samuels, P. G. (2006) Methodology for Conveyance estimation in Two-Stage Straight, Skewed and Meandering Channels, <http://www.river-conveyance.net/documents/AHRXXXCongresspaper.pdf>. Last accessed Jan. 2006.



# NCR Organisation

The NCR has three bodies: the program secretary, program committee and supervisory board. Their tasks are agreed upon in the cooperation agreement (samenwerkingsovereenkomst) 2012, which is an update from the original 1998 agreement.

## Program committee

The program committee consists of representatives from each of the NCR partners. The program committee chooses the chair, which currently is dr. Ralph Schielen of Rijkswaterstaat. The program committee is responsible for the (scientific) program of NCR. The committee initiates and stimulates research activities, proposals, and exchange of knowledge, ideas, experience, and results. The committee has regular meetings, with a frequency of about four times per year.

## Supervisory board

The supervisory board consists of one senior member of each NCR partner. The members of the board choose their chair, which currently is prof. dr. Jaap Kwadijk of Deltares. The board supervises the implementation of the cooperation agreement, mediates in disputes and approves the annual program.

## Program secretary

The program secretary is responsible for the continuity, day-to-day management, communication (e.g. website, mailing, social platforms) and reporting of the NCR. Additionally, the program secretary is part of the program committee and supervisory board in the role of secretary. The secretary is appointed by the Supervisory board. The current secretary is ir. Koen Berends of Deltares.

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# NCR

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