



TU Delft

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Pure



Marcel Broekarts
May 17, 2019

Current Research Information System (CRIS)

A current research information system (CRIS) is a database or other information system to store and manage data about research conducted at an institution.



TU Delft Research Information System



TU Delft personal profile page

Dr.ir. P.C. (Christian) Louter

— profile

Biography

Introduction

Dr. ir. Christian Louter is Assistant Professor of Structural Design and Structural Glass Design at Delft University of Technology (TU Delft) in The Netherlands. At TU Delft he investigates novel structural glass solutions and teaches on structural design. Christian obtained his PhD Cum Laude from TU Delft in 2011 and has worked several years as a post-doctoral researcher at EPFL in Switzerland before returning to TU Delft in 2015. Christian is member of the [Glass & Transparency Research Group](#) at TU Delft.

Committees:

In addition to his teaching and research activities, Christian is currently involved in the following international committees and initiatives:

- Editor-in-Chief - [Glass Structures & Engineering Journal](#)
- Co-Organizer - [Challenging Glass Conference](#)
- Core Group Member - [COST Action TU1403 Adaptive Facades Network](#)
- Member - [IABSE Working Group 1 - Structural Glass](#)
- Member - [Eurocode CEN TC 250/SC11 - Structural Glass](#)

External websites:

- [Scopus Author ID](#)
- [Google Scholar profile](#)
- [LinkedIn profile](#)
- [ORCID profile](#)

Keywords:

structural design / constructief ontwerp / building technology / bouwtechnologie / glas expert / Architectural Engineering and Technology / Design Engineering

Contact Details

Dr. ir. Christian Louter



Contact

☎ +31628241871

✉ Christian.Louter@tudelft.nl

[Architecture and the Built Environment](#)

[Architectural Engineering + Technology](#)

[Structural Design](#)

Activities

An overview of activities can be found here:

[Activities of Dr. ir. Christian Louter](#)

— publications

[Publications in Pure](#)

+ subjects

+ ancillary activities

TU Delft Research Information System (PURE portal)



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P.C. Louter

P.C. Louter

› Structural Design

Overview Research output Activities CV

Research interests

Dr. ir. Christian Louter is Assistant Professor of Structural Design and Research Coordinator of Design Engineering at the Faculty of Architecture & the Built Environment at Delft University of Technology (TU Delft) in The Netherlands. At TU Delft he investigates novel structural glass solutions and teaches on structural design. Christian obtained his PhD Cum Laude from TU Delft in 2011 and has worked several years as a post-doctoral researcher at EPFL in Switzerland before returning to TU Delft in 2015.

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External websites:

- Scopus-ID
- Google Scholar-ID
- ORCID-ID
- LinkedIn profile

Contact details:

Christian.Louter@TUDelft.nl

Research output

- › Experimental and numerical analysis of thick embedded laminated glass connections

Scientific – peer-review › Article

- › Mechanical behaviour of Transparent Structural Silicone Adhesive (TSSA) steel-to-glass laminated connections under monotonic and cyclic loading

Scientific – peer-review › Article

- › Numerical investigation on structural glass beams with GFRP-embedded rods, including effects of pre-stress

Scientific – peer-review › Article

[View all \(120\) »](#)

Activities

- › PAO Course – Ontwerpen en rekenen aan



P.C. Louter

› Structural Design

Overview

Research output

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CV

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Sort by: Publication date

2019

› Dünnglaskonzepte für architektonische Anwendungen

[Louter, C.](#), 28 Mar 2019, *Clasbau 2019*. Weller, B. & Tasche, S. (eds.). Ernst & Sohn, 12 p.

Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

› Glass is all around us!

Nielsen, J. H., Belis, J., [Louter, C.](#), Overend, M. & Schneider, J., 2019, In : *Glass Structures and Engineering*. 4, 1, p. 1-2

Contribution to journal › Editorial › Scientific › peer-review

› Glass-steel triangulated structures: parametric nonlinear FE analysis of in-plane and out-of-plane structural response of triangular laminated glass panels

Laccone, F., [Louter, C.](#) & Froli, M., 2019, (Accepted/In press) In : *Journal of Architectural Engineering*.

Contribution to journal › Article › Scientific › peer-review

› Integrating multi-functional space and long-span structure in the early design stage of indoor sports arenas by using parametric modelling and multi-objective optimization

[Pan, F.](#), [Turrin, M.](#), [Louter, C.](#), [Sariyildiz, S.](#) & Sun, Y., 2019, In : *Journal of Building Engineering*. 22, p. 464-485 22 p.

Contribution to journal › Article › Scientific › peer-review

› Structural glass beams with embedded GFRP, CFRP or steel reinforcement rods: comparative experimental, analytical and numerical investigations

Bedon, C. & [Louter, C.](#), 2019, In : *Journal of Building Engineering*. 22, p. 227-241 15 p.

Contribution to journal › Article › Scientific › peer-review

2018

› Thin Glass Concepts @World Architecture Festival



P.C. Louter

› Structural Design

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2019

› [Keynote presentation at Glasbau on: Dünnglaskonzepte für architektonische Anwendungen](#)

P.C. Louter (Keynote speaker)

28 Mar 2019

Talk or presentation › Talk or presentation at a conference

› [Seminar at Pisa University on: Structural Glass Research at TU Delft](#)

P.C. Louter (Invited speaker)

12 Mar 2019

Talk or presentation › Talk or presentation at a workshop, seminar, course or other meeting

› [University of Pisa \(External organisation\)](#)

P.C. Louter (Member)

11 Mar 2019

Membership › Membership of committee

2018

› [FACADE 2018 – Adaptive! \(Event\)](#)

P.C. Louter (Peer reviewer)

26 Nov 2018 → 27 Nov 2018

Publication peer-review and editorial work › Publication peer-review

› [Invited Speaker at: Boosting – Glass Event](#)

P.C. Louter (Speaker)

20 Nov 2018

Talk or presentation › Talk or presentation at a workshop, seminar, course or other meeting



P.C. Louter

P.C. Louter

› Structural Design

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External websites:

- Scopus-ID
- Google Scholar-ID
- ORCID-ID
- LinkedIn profile

Contact details:

Christian.Louter@TUDelft.nl

+31 (0)6 28241871

Current employment and activities

2015 – ongoing Assistant Professor – Structural (Glass) Design – TU Delft

2017 – ongoing Research Coordinator – Design Engineering for the Built Environment – TU Delft

2016 – ongoing Member – Eurocode Committee – CEN TC250 SC 11 – Structural Glass

2016 – ongoing Member – Vlakglascommissie – NEN – Nederlands Normalisatie-instituut

Research network



Benefits





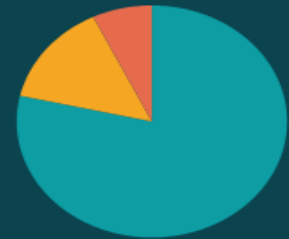
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Pure market share (universities)



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■ Converis (7.14%)

18

Organisations
in total use Pure



11 Universities



5 Medical centers
(2 shared installs)

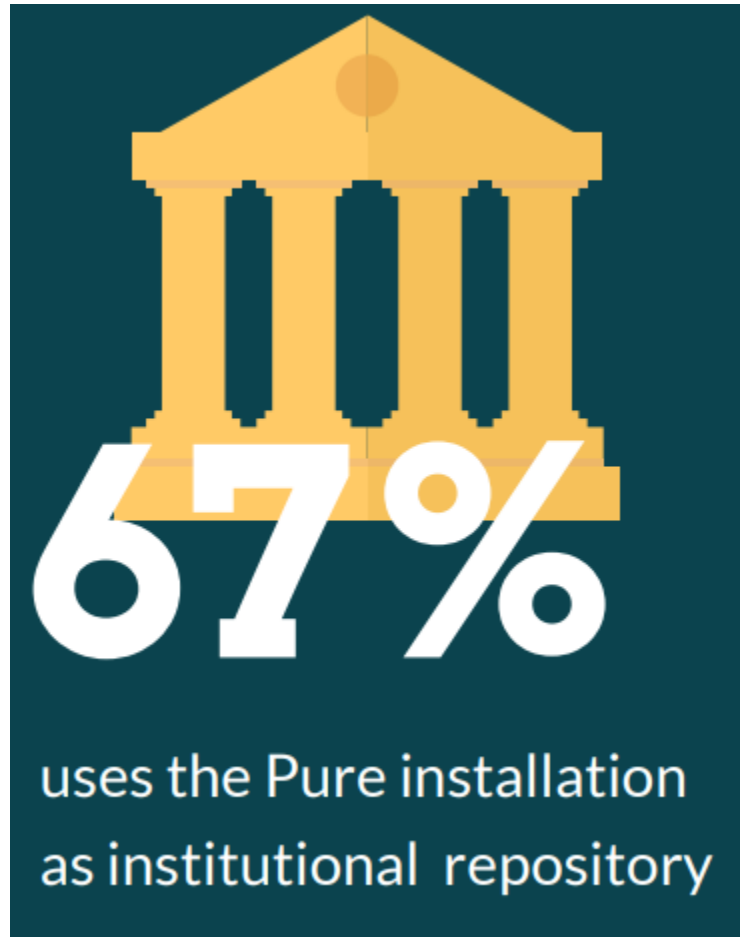


3 Universities of
applied science



1 Academy

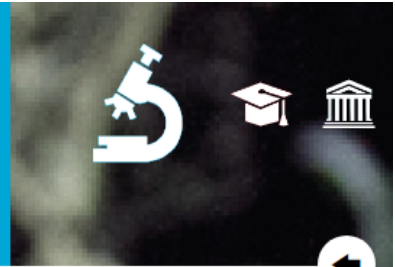
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- [Delft Cluster \(168\)](#)
- [storm surge barriers \(166\)](#)

Collection: research

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document

[Virtual acoustics in inhomogeneous media with single-sided access](#)

Wapenaar, C.P.A. (author), Brackenhoff, J.A. (author), Thorbecke, J.W. (author), van der Neut, J.R. (author), Slob, E.C. (author), Verschuur, D.J. (author)

A virtual acoustic source inside a medium can be created by emitting a time-reversed point-source response from the enclosing boundary into the medium. However, in many practical situations the medium can be accessed from one side only. In those cases the time-reversal approach is not exact. Here, we demonstrate the experimental design and...

journal article 2018



document

[Integrated circuits based on conjugated polymer monolayer](#)

Li, Mengmeng (author), Mangalore, Deepthi Kamath (author), Zhao, Jingbo (author), Carpenter, Joshua H. (author), Yan, Hongping (author), Ade, Harald (author), Müllen, Klaus (author), Blom, Paul W.M. (author), Pisula, Wojciech (author), de Leeuw, D.M. (author), Asadi, Kamal (author), Yan, He (author)

It is still a great challenge to fabricate conjugated polymer monolayer field-effect transistors (PoM-FETs) due to intricate crystallization and film formation of conjugated polymers. Here we demonstrate PoM-FETs based on a single monolayer of a conjugated polymer. The resulting PoM-FETs are highly reproducible and exhibit charge carrier...

journal article 2018

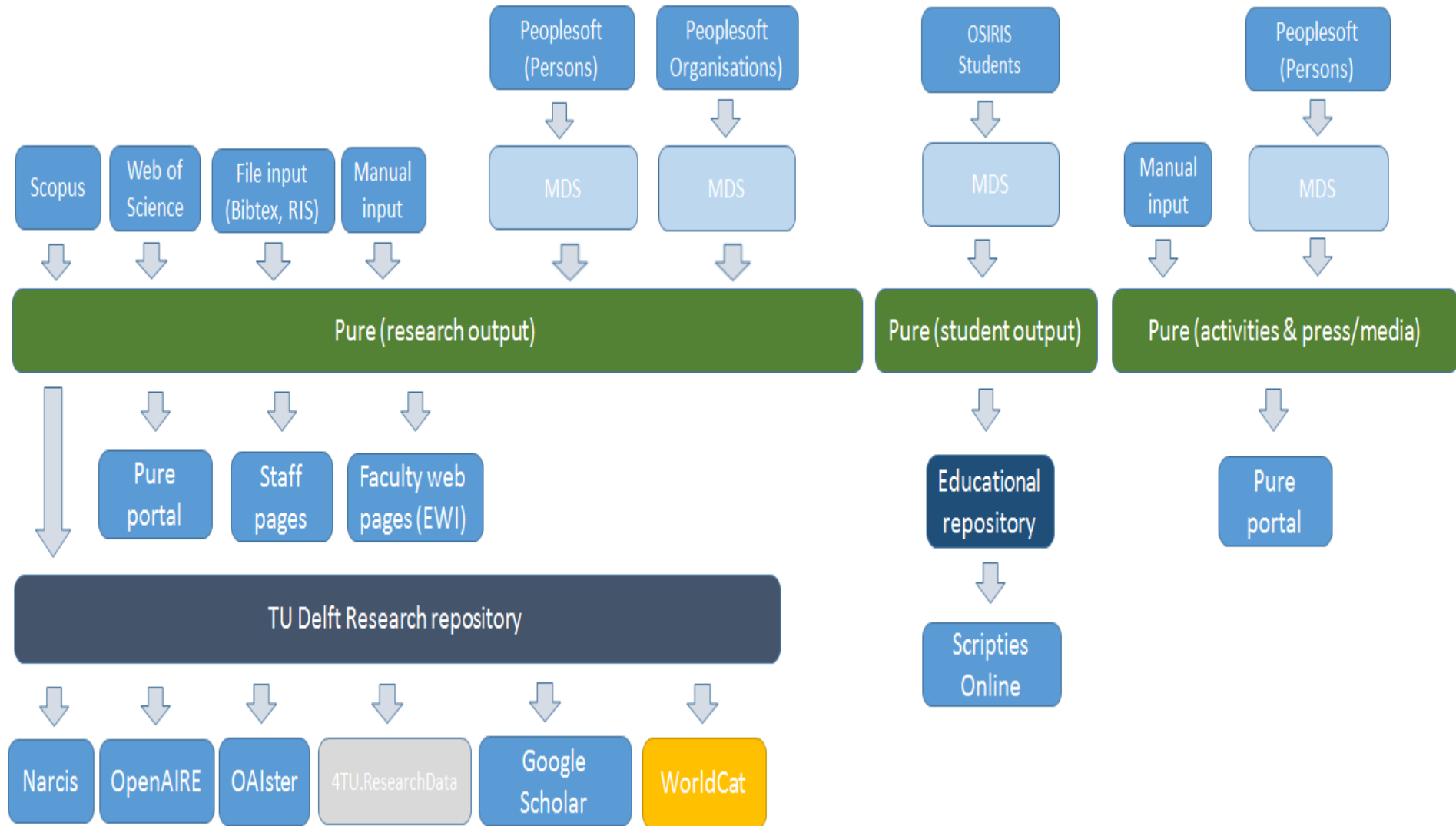
[Continuous-variable protocol for oblivious transfer in the noisy-storage model](#)

Furrer, Fabian (author), Gehring, Tobias (author), Schaffner, Christian (author), Pacher, Christoph (author), Schnabel,

Fact and figures

Institutional Repository collection	31-12-2016	31-12-2017	31-12-2018	31-3-2019
Journal article	11899	13773	16983	17786
Doctoral thesis	7879	8265	8643	8758
Conference paper	6085	7294	8175	8499
Report	5607	5739	5869	5900
Book	1874	1914	1962	1977
Public lecture	1222	1224	1233	1235
Book chapter	364	466	580	613
Patent	544	544	545	545
lecture notes	402	478	486	486
working paper	44	80	86	88
Other, Review, Abstract, Contribution to periodical	-	231	478	555
Totaal	35920	40008	45040	46442

The architecture



Open Access



Open Science policy at TU Delft

“We want our researchers to share their scientific output by default through our TU Delft Repository, in the same way that they now publish in journals or books”

Karel Luyben, former rector magnificus of TU Delft



T H A N K

Y O U