

Welcome to University of Twente Research Information

Everything ▾ Explore profiles, expertise and research at University of Twente Rese



2833

Profiles



106

Research Units



113837

Research Output



710

Activities



259

Prizes



112

Press / Media

Welcome to University of Twente Research Information

We use this website to showcase our research output, information about researchers, activities, press/media, prizes and research units at the University of Twente (UT).

UT Research Information has replaced UTPublications. All publications that were previously visible in the repository, are now part of Research Information.

The University of Twente is a modern, entrepreneurial university, leading in the area of new technologies and a catalyst for change, innovation and progress in society. We work on the technologies of the future (ICT, biotechnology, nanotechnology), combining technological knowledge and innovation with behavioural and social academic research.

Our strength lies in the combination of excellent science, entrepreneurship and international orientation. Our researchers focus on themes with a large societal impact: health, water, green energy, safety and education.

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Everything ▾

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2833

Profiles



106

Research Units



113847

Research Output



740

Activities



260

Prizes



112

Press / Media

Collaborations and top keyword concepts used within the past 5 years.


Click dots and donuts to bring up details.




 Theses
PHYSICS & ASTRONOMY

 Communication
ENGINEERING & MATERIALS SCIE...

 Sensors
ENGINEERING & MATERIALS SCIE...

 Costs
ENGINEERING & MATERIALS SCIE...

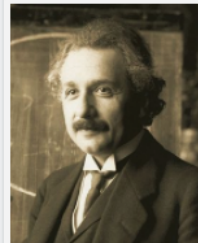
 Robots
Engineering & Materials Sci...

 Traffic Accidents
Engineering & Materials Sci...

 Experiments
Engineering & Materials Sci...

 Beta-Amylase
Engineering & Materials Sci...





Albert Einstein (Demo purposes)

University of Twente



Personal profile

Research interests

General principles

He articulated the principle of relativity. This was understood by Hermann Minkowski to be a generalization of rotational invariance from space to space-time. Other principles postulated by Einstein and later vindicated are the principle of equivalence, general covariance and the principle of adiabatic invariance of the quantum number.

Theory of relativity and $E = mc^2$

Main article: [History of special relativity](#)

Einstein's "*Zur Elektrodynamik bewegter Körper*" ("On the Electrodynamics of Moving Bodies") was received on 30 June 1905 and published 26 September of that same year. It reconciles Maxwell's equations for electricity and magnetism with the laws of mechanics, by introducing major changes to mechanics close to the speed

Back-end : personal overview

Pure | Research Information | University of Twente

Personal

Personal overview

- Research output
- Activities
- Prizes
- Press / Media
- Applications
- Awards
- Projects
- Student theses
- Curricula Vitae

Albert Einstein (Demo purposes)
Full Professor, University of Twente, 1/05/17 → 1/05/18
[Edit profile...](#)

[My research](#) | [My profile](#)

Overview | [Research output](#) | [Activities](#) | [Projects](#)

Research output 414

Conference contribution	209
Article	112
Poster	30
Paper	16
Chapter	15
Other contribution	10
Report	4
Patent	2
PhD Thesis - Research UT, graduation UT	1

[+ New](#) [Import](#)

1,884 Scopus citations on 186 research output

Activities 46

Oral presentation	46
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[+ New](#)

Projects 12

Research	6
Other	6

Research output network – persons

Michael Curt Elwenspoek	125
Remco J. Wiegierink	106
Theodorus S.J. Lammerink	103
Hugo Hoekstra	63
Johan W. Berenschot	60
Meint J. de Boer	58
Paul Lambeck	39
H. Droogendijk	37

Research output network – organisational units

Micro Sensors and Systems	327
Faculty of Electrical Engineering, Mathematics & Computer Science	283
EWI-TST	211
Integrated Optical MicroSystems (IOMS)	165
Robotics and Mechatronics	15
Transduktietechniek en materiaalkunde – EL	15
Systems and Materials for Information Storage (SMI)	14
Integrated Circuit Design	11

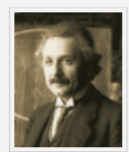
[Add new](#)

My messages 0
Messages

Help and support

- [Manual](#)
- [FAQ](#)
- [Screencasts](#)
- Contact helpdesk

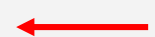
- Personal overview
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Albert Einstein (Demo purposes)

Full Professor, University of Twente. 1/05/17 – 1/05/18

Edit profile...



My research My profile

Curriculum and research description

Research interests

General principles

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Theory of relativity and $E = mc^2$

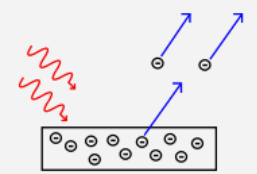
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Consequences of this include the [time-space frame](#) of a moving body appearing to [slow down](#) and [contract](#) (in the direction of motion) when measured in the frame of the observer. This paper also argued that the idea of a [luminiferous aether](#)—one of the leading theoretical entities in physics at the time—was superfluous.^[141]

In his paper on [mass-energy equivalence](#), Einstein produced $E = mc^2$ from his special relativity equations.^[142] Einstein's 1905 work on relativity remained controversial for many years, but was accepted by leading physicists, starting with [Max Planck](#).^{[143][144]}

Photons and energy quanta



The photoelectric effect. Incoming photons on the left strike a metal plate (bottom), and eject electrons, depicted as flying off to the right.

Main articles: [Photon](#) and [Quantum](#)

In a 1905 paper,^[145] Einstein postulated that light itself consists of localized particles ([quanta](#)). Einstein's light quanta were nearly universally rejected by all physicists, including Max Planck and Niels Bohr. This idea only became universally accepted in 1919, with [Robert Millikan](#)'s detailed experiments on the photoelectric effect, and with the measurement of [Compton scattering](#).

Organisational affiliations

Staff

Full Professor, University of Twente
1/05/17 – 1/05/18
Academic

Add new

My messages
Messages 0

My history
Albert Einstein (Demo purposes) Modified
Person
test1 Created
Research output: Scientific – peer...

Back-end: personal profile: name variants / automated search

Id: 11446159 **Albert Einstein (Demo purposes)**
Person

EDIT

- Metadata
- SEP
- Associated user
- Automated search

OVERVIEW

- Relations
- Fingerprints
- Display

HISTORY AND COMMENTS

- History and comments

Personal identification ⓘ

First name(s) Last name *

Nationality

Name variant


A. Einstein	Default publishing name	Edit	↓	—
Albert Eisenstein	Former name	Edit	↓	↑
Albert Einstein (Demo purposes)	Known as name	Edit	↑	—

Title

ID

ORCID

Profile photos


 266px_Einstein1921_by_F_Schmutzer_2.jpg	Portrait	Show	Edit	—
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266px_Einstein1921_by_F_Schmutzer_2.jpg, 15 KB, image/jpeg

Links

http://www.utwente.nl	Facebook	Show	Edit	—
http://www.utwente.nl/ris	Twitter	Show	Edit	—

Personal profile: automated search

Id: 1191351  **Gerrit W. van der Poel**
Person

EDIT

- Metadata
- SEP
- Associated user
- Automated search**

OVERVIEW

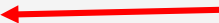
- Relations
- Display

HISTORY AND COMMENTS

- History and comments

Set up automated search for publications in online sources










The initial automated search will search for publications in the last 730 days. The consecutive searches will take place every 7 day. You can see your candidates on your overview page in the right column under your personal tasks and you can choose to have an e-mail when Pure finds candidates.


Inform me by e-mail when candidates are found (123@utwente.nl) 

Enable automated search

Scopus On

Name variant

-  **G W van der Poel** Edit name —
-  **Gerrit Wijnand van der Poel** Edit name —
-  **G van der Poel** Edit name —
-  **Gerrit van der Poel** Edit name —
-  **Gerrit W. van der Poel** Edit name —
-  **G Poel, van der** Edit name —
-  **Gerrit Poel, van der** Edit name —
-  **G van der Poelen** Edit name —
-  **Gerrit van der Poelen** Edit name —

 **MENDELEY** Off

Mendeley is a free reference manager and academic social network that helps scientist organize their research, collaborate with others online, and discover the latest research. It holds more than 20 million records.

WEB OF SCIENCE* Off

Web of Science cover a wide range of databases, which together holds more than 40 million records. The subject

The screenshot shows a user profile page for Gerrit Wijnand van der Poel (m1234567). The page is divided into a left sidebar, a main content area, and a right-hand notification box. The sidebar contains navigation links: Profile, E-mail settings (highlighted), Message settings, Task settings, and Trusted users (indicated by a red arrow). The main content area is titled 'E-mail settings' and includes a sub-header 'Select how often you want to receive e-mails for the following messages.' Below this is a table with two columns: 'E-mail message' and 'Mail frequency'. The table lists various message categories and their corresponding email frequencies. The right-hand box contains a green 'Add new' button and a 'My messages' section showing 0 messages.

Profile
Gerrit Wijnand van der Poel, m1234567
User profile

E-mail settings

Select how often you want to receive e-mails for the following messages.

E-mail message	Mail frequency
Activity - Person change	Mails are sent instantly
Application - Applicants change	Mails are sent instantly
Award - Awardholders change	Mails are sent instantly
Message - System messages	Mails are sent instantly
Person - Comment added	Mails are sent instantly
Prize - Person change	Mails are sent instantly
Project - Participants change	Mails are sent instantly
▶ Research output - Multiple messages	All e-mails
▶ Student thesis - Multiple messages	All e-mails

Add new

My messages
Messages 0

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u.t.researcher
User switch x

Personal

- Personal overview
- Research output +
- Activities
- Prizes
- Press / Media
- Applications
- Awards
- Projects
- Student theses
- Curricula Vitae

Albert Einstein (Demo purposes)

Full Professor, University of Twente

1/05/17 – 1/05/18

Edit profile...

My research
My profile

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Organisational affiliations

Staff

Full Professor, University of Twente

1/05/17 – 1/05/18

Academic

Add new

✉ My messages

Messages 0

🕒 My history

Albert Einstein (Demo purposes)

Person

Modified

test1































Research output: Scientific – peer...

Created

→

Back-end: choose appropriate output type

Choose submission

 Submission guide	 Chapter in Book/Report/Conference proceeding	 Article
	 Contribution to journal >	 Letter
 Research output >	 Contribution to conference	 Comment/Letter to the editor
Create from template	 Contribution to specialist publication	 Book/Film/Article review
Import from online source		
Import from file	 Patent	 Literature review
 Activity	 Other contribution	 Editorial
 Prize	 Book/Report	 Special issue
 Application	 Working paper	 Meeting Abstract
 Award	 Non-textual form	 Review article
 Student thesis	 Thesis	 Short survey
 Curriculum Vitae	 Memorandum/exposition	
<input type="text"/>	 Contribution to memorandum/exposition	

Back-end: Upload your peer-reviewed author version, full text (PDF)

Upload an electronic version

Upload an electronic (full-text) version of this work (e.g. the author's accepted manuscript)

File *

Drag file or **browse** your computer.

File title

Document version

No value ▼

Access to electronic version

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Open ▼

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Embargoed
Restricted
Closed
Unknown

License to document

Select license ▼

Cancel Create

No value

Submitted manuscript
Early version, also known as pre-print

Accepted author manuscript
Peer reviewed version

Proof
Version created as part of publication process; publisher's layout; not normally made publicly available

Final published version
Publisher's PDF, also known as Version of record

Backend: or add a DOI or (persistent) link

Add a link

Add a link to an electronic (full-text) version of this work (e.g. the author's accepted manuscript in a subject repository)

Link *

Document version

No value ▾

- No value
- Submitted manuscript**
Early version, also known as pre-print
- Accepted author manuscript**
Peer reviewed version
- Proof**
Version created as part of publication process; publisher's layout; not normally made publicly available
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 Submission guide

 Research output

 Activity

 Prize

 Application


 Award

 Student thesis


 Curriculum Vitae 

CurriculumVitae


Public CV

The public CV is used for presentation on the public portal. Once the CV is published it is available... 


Private CV

The private CV can be used to export your selected data from Pure to PDF and Word. The CV is only visible for... 

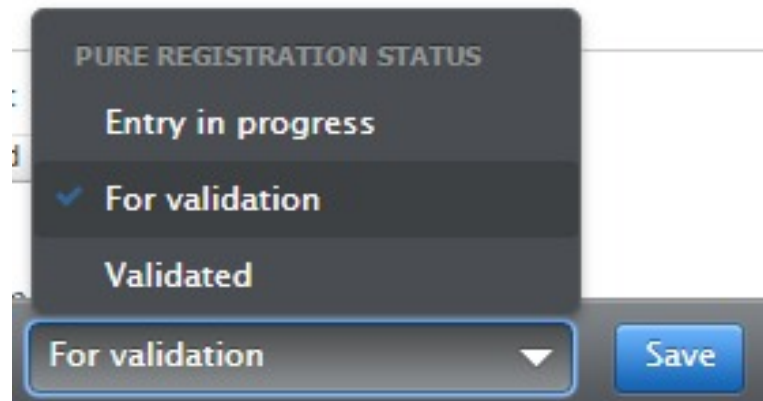
Highlighted Content CV

Highlighted content will be available as part of your personal profile in the public web portal. This CV... 

EuroPass CV

Once you have selected all desired content, you can send this CV to the Europass site (by... 

workflow



- Waiting period (2 days)
- Quality Control -Validation(Library)
- Portal visibility
- Publication list

- Re-validation TEMPORARY activated

UT RESEARCH INFORMATION

YOUR PUBLICATION LIST ON A PERSONAL WEBSITE

You can include a list of your publications stored in the University of Twente research information system by generating a script to put in the HTML of your website.

Keep in mind that it will take 1 (working) day before publications added in Pure (and validated by staff) are displayed in this publication list.

GENERATE A PUBLICATION LIST FOR Researchers
 Departments / groups

SELECT ONE OR MORE
RESEARCHER

Blank, D.H.A. x | x

FILTER BY PUBLICATION TYPE

Filter by publication type

PEER REVIEWED

Only include peer reviewed publications

FILTER BY YEAR (OPTIONAL)

from to

GROUP USING HEADINGS BY

- Year
 Publication type
 Year / publication type
 Publication type / year

ORDER BY

- Title
 First author

Copy the script below into the HTML of your website. Please keep in mind that the publication list will appear at the exact place where you put the script.

```
<script type="text/javascript" src="https://webapps.utwente.nl/publist/web/show?emp=76420835&gm=0&amp;srb=0"></script>
```

Preview:

Jump to: [2016](#) | [2015](#) | [2014](#) | [2013](#) | [2012](#) | [2011](#) | [2010](#) | [2009](#) | [2008](#) | [2007](#) | [2006](#) | [2005](#) | [2004](#) | [2003](#) | [2002](#) | [2001](#) | [2000](#) | [1999](#) | [1998](#) | [1997](#) | [1996](#) | [1995](#) | [1994](#) | [1993](#) | [1992](#) | [1991](#) | [1990](#) | [1989](#)

2016

Nishikawa, H., Hasegawa, T., Miyake, A., Tashiro, Y., Hashimoto, Y., Blank, D. H. A., & Rijnders, A. J. H. M. (2016). Relationship between the Ca/P ratio of hydroxyapatite thin films and the spatial energy distribution of the ablation laser in pulsed laser deposition. *Materials*

PURE RESEARCH INFORMATION: PROVIDING A PLATFORM FOR YOUR PUBLICATIONS

ON MAY 22, 2017 **PURE RESEARCH INFORMATION** WILL GO LIVE. AS OF THAT MOMENT ALL UT RESEARCH OUTPUT WILL BE ADDED TO PURE RESEARCH INFORMATION **AND** PUBLISHED ON A PUBLIC PORTAL: **UNIVERSITY OF TWENTE RESEARCH INFORMATION.**

CHECK OUT THE VIDEO BELOW FOR A BRIEF INTRODUCTION.

