

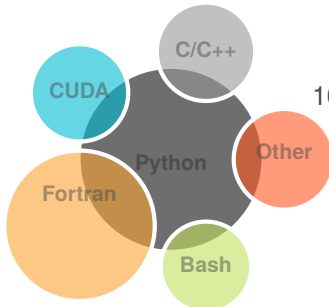
## About Me

**nationality**  
german

**birthplace**  
Siegen, Germany

**civil status**  
married

## Programming



**github:**

@AaronDavidSchneider

## Languages

**german**  
first language

**english**  
fluent

## Interests

hiking  
singing  
road cycling  
programming

# Aaron David Schneider

astrophysicist

## Education

10/15-08/18 **Bachelor in Physics** Universität Heidelberg

- grade: 2.0 (UK: B)
- specialization: astrophysics and computational physics
- bachelor thesis: Surface waves in protoplanetary disks induced by outbursts
- supervisor of thesis: Prof. Dr. Cornelis P. Dullemond

10/18-10/20 **Master in Physics** Universität Heidelberg

- grade: 1.5 (UK: A)
- specialization: Machine Learning and GPU Computing
- core courses: astronomical techniques, general relativity, theoretical astrophysics, cosmology, environmental physics
- master thesis: chemical composition of gas giants probed by accretion
- supervisor of thesis: Dr. Bertram Bitsch

## Schooling

09/06-06/14 **Highschool** Evangelisches Gymnasium Siegen-Weidenau

- advanced courses: physics, math
- A-level: Grade 1.6 (UK: A)

## Experience

09/14-06/15 **Year abroad** Carnforth, England  
Theology studies

2016-2029 **Private tuition** Heidelberg  
Highschool math and physics

2020 **Tuition** Heidelberg  
Tuition of Introduction to Astronomy & Astrophysics II

## Fist-Author Publications

09/18 **Schneider, A. D.; Dullemond, C. P.; Bitsch, B.** A & A, Volume 617, id.L7  
Surface waves in protoplanetary disks induced by outbursts: Concentric rings in scattered light

08/21 **Schneider, A. D. and Bitsch, B.** A & A, Volume 654, id.A71  
How drifting and evaporating pebbles shape giant planets I: Heavy element content and atmospheric C/O

10/21 **Schneider, A. D. and Bitsch, B.** A & A, Volume 654, id.A72  
How drifting and evaporating pebbles shape giant planets II: volatiles and refractories in atmospheres

02/22 **Schneider, A. D.; Carone L.; Decin L.; Jørgensen, U.G.; Mollière, P.; Baeyens, R.; Kiefer, S.** A & A  
Exploring the deep atmospheres of HD 209458b and WASP-43b using a non-gray general circulation model

## Other Publications

- 05/21 **Bitsch, B; Raymond, S. N.; Buchhave, L. A.; Bello-Arufe, A.; Rathcke, A. D.; Schneider, A. D.** A & A, Volume 649, id.L5  
Dry or water world? How the water contents of inner sub-Neptunes constrain giant planet formation and the location of the water ice line
- 03/22 **Mollière, P.; Molyarova, T.; Bitsch, B.; Henning, T.; Schneider, A.D.; Kreidberg, L.; Eistrup, C.; Burn, R.; Nasedkin, E.; Semenov, D.; Mordasini, C.; Schlecker, M.; Schwarz, K. R.; Lacour, S.; Nowak, M.; Schulik, M.**  
Interpreting the atmospheric composition of exoplanets: sensitivity to planet formation assumptions

## Volunteer Engagement

- 2015-2019 **voluntary work at a christian university group** Heidelberg  
Hochschul SMD Heidelberg

*Aaron David Schneider, May 4, 2022*