

Prof. Wolfgang Schabbach

**Studiengang  
Integriertes Produktdesign**

**Prof. Wolfgang Schabbach**

Studiengangsleiter master.design  
Professor für Entwerfen & Konstruieren

## Letter of recommendation

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**Natalie Jirmann/ born 26.09.1996 in Aachen, Germany**

**Field of study: Integrated Product Design**

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Ms. Natalie Jirmann has been studying since the wintersemester 2015/16 in the Integrated Product Design degree program at Coburg University of Applied Sciences.

### **I know Ms. Jirmann from the courses:**

- + Design and Construction 1-6 in lectures, methodology and the related student research projects
- + MaterialLab & Materials
- + the supervision of her bachelor thesis

Ms. Jirmann completes her studies with great motivation. She regularly attends all lectures and shows great interest in all subject and exercise areas. She questions all relevant design topics with commitment and great seriousness.

I have come to know her as a persistent and resilient student who can who is able to cope with all tasks even under time pressure. Her enthusiasm for design and her great motivation have stood out particularly positively. Her commitment and behavior are exemplary.

### **Projects/study work**

Ms. Jirmann has successfully worked independently on several student research projects and projects. In doing so, she shows a very high degree of creative sensibility and creativity. In combination with her ability to

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intellectually penetrate problems and complex topics and to work on them systematically and methodically, she achieves a consistently very high quality in her work.

In Design and Construction 1-6, students learn to integrate strategy and structure into the design process, how to generate ideas, and how to then materialize the ideas into conception, design, and construction. Basic design approaches, principles, and methods are practiced through design assignments to be developed independently. Through this intensive supervision over six semesters of study, I am able to assess their talent, willingness to perform and performance very well.

**She has completed the following projects/study papers to date:**

**Student research projects Design & Construction:**

- Design & Construct 1st semester: Design of an umbrella
- Design & Construct 2nd semester: Re-design of a socket timer with material, technology and production as determining parameters in design
- Design & Construct 3rd & 4th semesters: Re-design a "hand mixer" based on a patent product into a redesigned product using the DESIGNPILOT tools
- Design & Construct 6th semester: "Vision:Technology" (hiking shoe that operates tiny sensors and harvests energy by walking. The sensors support mountain rescue in case of loss (GPS) and accurately track the user's activity, which routes, own activity, etc.).
- Design & Construction 7th semester: "Ecodesign" - saving plastic in packaging design (a service concept was created that saves plastic at festivals and is now nominated for the Green Concept Award 2021)

**Project work:**

- Design of an outer packaging for an ionized hub system for nasal sprays in cooperation with Ursatec GmbH.
- Service design for public toilets with cws boco
- A(wear)ness- Urban Revolution. A fashion project in the spirit of upcycling in cooperation with Kerstin Dorst (Tory Sports)

- Mixed Objects (combination of digital 3D scan with analogue work, realization in porcelain)
- "Floating spaces" in cooperation with Brose (concept for autonomous driving in 2035, which should have floating states)

#### **Internships and professional experience:**

- Internship semester in 5th Regelsemester at Front Design, Stockholm, Sweden ([www.frontdesign.se](http://www.frontdesign.se))
- planned internship: caracaracollective, Helsinki (April to August 2021)

#### **Bachelor thesis**

In her bachelor thesis "Biodegradable material from manure for urn burials" she is currently dealing with the problem that more and more manure is produced due to increased meat consumption. The approach of the bachelor thesis is to convert the raw material manure into a usable material by a specific process technology.

This new material finds a useful application due to its nutrient richness and is returned to the earth as a product. As an exemplary use of the recycled material, she has chosen and further elaborated funeral objects and the associated mourning ceremony.

Ms. Jirmann always works on her design projects with great dedication and independence. She has a very high creative interpretation ability in dealing with the given tasks. In the course of her studies and workshops, she demonstrates the ability to approach design problems quickly and comprehensively and to solve them successfully in a goal-oriented manner with high intellectual and artistic standards. She has a large formal repertoire, design sensitivity and creativity. She consistently achieves very high quality in her design work. She has a great enthusiasm for design and a very high level of self-motivation.

Her solutions and ideas are often unusual - but at the same time always seem completely coherent and natural. She always has the courage to find her very individual approach to tasks and creative expression. At the same time, she always remains extraordinarily willing to learn, versatily interested and open to feedback and criticism.

Ms. Jirmann shows an above-average artistic talent in the design exercises, drafts and projects. In general, her performance in the course work, lectures, seminars and related subjects can be described as very good.

I appreciate Ms. Jirmann as an independent personality who reflects excellently, who makes very high demands on the results of her own work, and who responds to new ideas with a high degree of sensitivity. and who adjusts to new tasks with a high degree of sensitivity. At the same time, she always remains very willing to learn, has a wide range of interests and is open to feedback and criticism.

### **Commitment**

Ms. Jirmann is characterized by exemplary social behavior in dealing with fellow students and teachers. She has a natural friendliness, team orientation and a great sense of responsibility.

Outside of classes, she is involved in a variety of student activities, student initiatives, and self-organized activities. For example, she has been active in freshman mentoring. She has been involved in the conception and construction of exhibitions at "campus design open" of the Faculty of Design and in the organization and implementation of the aptitude test of the study program. She contributed to the successful and smooth running of these events. In addition, Ms. Jirmann was active in the conception and set-up of the exhibition "Sustainability Days Coburg 2018".

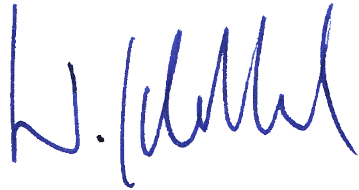
### **CONCLUSION**

**Due to her great interest in design, she possesses an exceptionally high level of prior knowledge, which contributes to Ms. Jirmann's ability to work confidently in the complex contexts and diverse interconnections of design work and to further develop into an outstanding designer.**

**In addition to her classical design qualifications, Ms. Natalie Jirmann possesses a high level of interface competence, which is particularly relevant in interdisciplinary product development processes. She is distinguished by her great**

**professional excellence, her versatile commitment and her willingness to take on responsibility in her private, social and professional environment.**

**In my opinion, she embodies the integrated trained designer in a very good way and is one of the best of our students. In view of her professional and personal qualifications, I unreservedly and strongly support the acceptance of Natalie Jirmann as a Master's student.**

A handwritten signature in blue ink, appearing to read 'W. Schabbach', with a stylized, cursive script.

Prof. Wolfgang Schabbach