

Call for proposals

# "Best Student Thesis Award 2024" – Additive Manufacturing



SWISSMEM

| Swiss Additive Manufacturing Group (SAMG) industry sector

## WE WANT YOU!

Are you writing a **Bachelor-, Master or Semester thesis** at a Swiss university or university of applied sciences in the field of **additive manufacturing**?

In 2024, Swissmem's Additive Manufacturing (SAMG) industry sector will be presenting its first "**SAMG Award**" for outstanding Bachelor's or Master's theses on any aspect of additive manufacturing.

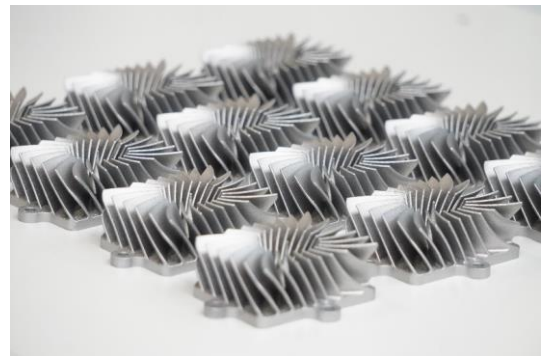
## SAMG Best Thesis Award 2024

The award comes with prize money of **CHF 1,500** (1st prize), **CHF 1,000** (2nd prize) and **CHF 500** (3rd prize).

The call is aimed at prospective graduates from Swiss universities and universities of applied sciences who submit their written thesis on an industry-related topic in the field of additive manufacturing between September 2023 and August 2024.

Swissmem's SAMG industry sector looks forward to your application and wishes you every success with your thesis!

**Take advantage of this opportunity, because innovation deserves to be rewarded!**



Patrick Roth  
President – SIS-SAMG

Dr Adriaan Spierings  
Head of Department – SIS-SAMG

## General information

Theses submitted for the award must have a strong industrial connection. The solutions and results developed should have the potential for implementation in industry. These may address aspects along the entire value chain of additive manufacturing:



Topics relating to new business models that are made possible by additive manufacturing are also welcome.

# “Best Thesis Award 2024 – Additive Manufacturing”

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## Registration

Please e-mail your registration by Friday, **31 July 2024** at the latest to: [samg@swissmem.ch](mailto:samg@swissmem.ch)

**Information**

- Title of thesis
- Abstract\*
- Motivation and description of the industry relevance: max. ½ page
- Name of the university of applied sciences/university, institution
- Thesis supervisor (*incl. salutation & title*)
- Applicant’s details: First name, last name / private e-mail / tel. \*\*

\* in German and English

\*\* of all participating degree candidates (multiple responses in the case of group work)

## Expert panel

The expert panel consists of representatives from the Swiss research environment as well as industry representatives from Swissmem’s SAMG industry sector.

- Martin Hofer, *CEO of Feramic AG*
- Dr Maxim Konter, *Chief Engineer Materials and Processing, General Electric*
- Dr Andreas Kirchheim, *Additive Consulting*

- The other four members of the jury are yet to be chosen

The jury decides who is eligible for the award and evaluates the thesis submitted on the basis of specified criteria.

## Eligibility for the award

**Eligibility**

- Bachelor-, Master- or Semester thesis in the field of additive manufacturing
- Implementation period:  
**1 September 2023 – 31 August 2024**

The thesis must have a specific relevance for industry. This means it must be possible for the results to be used by an industry partner.

The jury will decide on eligibility by 30 August 2024. Once an application has been approved, a NDA (non-disclosure agreement) regarding the thesis will be concluded between the expert panel and the participants/institution.

## Submission of thesis in German or English

Once the application has been approved, please submit your complete documents.

Deadline → **Friday, 17<sup>th</sup> September 2024**  
to: [samg@swissmem.ch](mailto:samg@swissmem.ch)

Documents - Degree candidate’s CV

- Evaluation documents and final grade incl. signature of supervisor
- Management Summary in German and English (max. 1 page)
- presentation (this must be publicly usable)
- Complete thesis report in PDF format

## Assessment of thesis

1. Innovative content, new ideas, solution approach (independent comprehensibility of the thesis)
2. Scientific content, derivations, quality of research/sources, own contribution
3. Quality of written work submitted, succinctness, explanation of complex issues
4. Potential for industrialization (linking theory and practice)
5. Final grade for thesis
  - Criteria 1 & 4: Weighting 2x
  - Criteria 2 & 3: Weighting 1x
  - Criterion 5: Weighting ½ x

## Award ceremony

The “Best Thesis Award – Additive Manufacturing” will be presented at the Annual General Meeting planned for **28 November 2024**.

All members of Swissmem's SAMG industry sector, as well as the participants and supervisors will be invited to this event.

The finalists will present their theses to the event attendees (*max. 10 min*).

These presentations may not contain any content which is subject to confidentiality requirements.

## Organizer

**Swissmem Swiss Additive Manufacturing Group**  
Dr Adriaan Spierings / Head of Department

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## Disclaimer

All documentation submitted will be treated confidentially. The presentation will be made available to the members and other interested parties. At no point is the expert panel obliged to give reasons for its decisions on the eligibility and evaluation of theses. The panel’s decision is final. Audio, image and video recordings may be made during the event. These will be processed, stored and publicly disseminated.