HTL Leonding
next level

Project Award 2026

PROGRAM TIMES & SPEAKER DETAILS

Moderation: Katharina Gallner-Holzmann, Adrian Kern, Silke Schmidt-Wirth, Alexandra Wellisch

14:00 - 14:15

- Richard Kainerstorfer (Principal)
- Peter Bauer (Head of Departments Computer Science & IT)
- Gerhard Eschelbeck (Chief Security Officer, Kodiak Robotics)

Welcome & Introduction to the Jury

14:15 - 15:40

Projects 1 - 7

HTL Leonding 5CHIF

- Filip Schauer
- Aaron Schreiegg
- Simon Pesut
- Axel Csomany
- Emil Silber

Coil Optimization for Trench: Arc suppression coils in relay stations prevent catastrophic blackouts. This software allows the user to optimize the coils. The displacement of the plunger core is measured 300 times per second, stored, and visualized in real time.

HTL Leonding 5AHITM

- Tobias Klement
- Alexander Hahn
- Philipp Pfarrhofer

InStaff: InStaff is an application designed primarily to support operators of restaurants and similar establishments that employ large numbers of freelance staff. It streamlines workforce management through digital shift scheduling, while also providing an intuitive platform for freelance personnel to accept or decline shift requests submitted by their establishment.

HTL Grieskirchen 5AHBGM

- Vitus Schütz
- Nina Niedermair
- David Wageneder

NIVIDA: Our software supports medical image analysis for bone extraction and prosthesis planning. Instead of unreliable full automation, we use a semi-automatic approach: doctors place interactive spheres on relevant regions, guiding the algorithm to extract bones precisely. This combines human expertise with computational support, improving accuracy, control, and efficiency in clinical workflows.

HTL Perg 5AHIF

- Kevin Stocker
- Fiona Houdek
- Michael Gillhofer
- Thomas Kastner
- Christof Hundegger

mocca.overview: This project develops a centralized application for managing customer and device data for ventopay. It replaces error-prone Excel workflows with a validated, multiuser platform built using Angular and a C#/.NET API. The system improves data accuracy, enables role-based access, supports flexible searches, and ensures efficient, transparent tracking of devices delivered to customers.

HTL Leonding 5AHIF/5AHITM

- Gabriel Pabst
- Felix Kohlböck

EON: EON is a next-generation workflow automation platform that uses advanced computer vision, rather than static code, to visually emulate human interaction using image detection. By literally "seeing" UI elements on the screen, it effortlessly bypasses the limitations of standard script-based automation tools. Ultimately, EON provides B2B companies with an intuitive, no-code solution to automate any repetitive visual task—giving machines the ability to see so humans can get their time back.

HTL Grieskirchen 5AHIF

- Alexander Kaiser
- Clemens Kainz
- Sebastian Doblinger
- Moritz Reitinger

EnergyIQ: The web application EnergyIQ is being extended with additional features. It detects patterns in device activity, automatically switches consumers based on schedules or consumption thresholds, and integrates a solar system with efficiency forecasts based on weather data. A flowchart editor allows users to define processes and conditions to automatically control household devices.



HTL Leonding 5CHIF

- Elias Mahr
- Leopold Mistelberger
- Timon Schmalzer

CURA: CURA is a smart, electronically controlled medication dispenser supporting people with their daily medication. It reminds patients to take their medicine on time and checks if it was taken. Caregivers (doctors, family members) are notified accordingly. Additionally, authorized users can remotely edit and manage the medication plan.

15:40 - 15:55

Everyone

Break - Enjoy!



15:55 - 17:20 Projects 8 - 14

HTL Leonding 5BHITM
- Luca Zinnhobel
- Marvin Anderson

HItScan-DS: HitScan is a web-based dart scoring system that automatically detects throws using image recognition. It eliminates manual score entry, supports game modes like 301 and 501, and provides live scoreboards and player statistics — delivering an affordable, intuitive solution for private dart enthusiasts.

HTL Perg 5AHIF
- Lukas Leitner
- Michael Gillhofer

ETF Analyzer Pro: ETF Analyzer Pro is a web application for searching, filtering, and comparing ETFs using key financial metrics. Detailed views include visualizations of performance, risk analysis, trading information, and country allocation. Data is provided by UnRiskOmega AG. Developed with a backend designed for future extensions (e.g. AI-based ETF recommendations) in collaboration with uni software plus GmbH.

HTL Leonding 5BHIF
- Andreas Hasenschwandtner
- Paul Achleitner
- Tobias Richter

CrashLynk: Our app Crashlynk automatically recognizes motorcycle accidents in real time and instantly alerts emergency contacts with the rider's location. It is designed to improve rider safety by reducing response time and ensuring help arrives as quickly as possible.

HTL Grieskirchen 5AHIF
- Joachim Freimüller
- David Franz
- Sami Almnayer

MeasureX: Components supplied to Rotax are currently only checked through random sampling, meaning not all parts are inspected and quality issues may be detected too late. This project develops an AI-based system that predicts component weight and independently detects anomalies using machine data, enabling early detection of deviations, reducing manual inspections, and improving overall quality control.

HTL Leonding 5AHBG
- Annelie Bauer
- Elena Hack

Automatic Pill Dispenser: The pill dispenser is a system designed to ensure the safe intake of medication. It supports people with dementia by providing reminders and technical safety mechanisms that help prevent accidental double dosing or missed medication. This product was developed in cooperation with the University of Applied Sciences Upper Austria (FH Oberösterreich).



HTL Leonding 5BHITM

- Tobias Huch
- Samuel Mayer
- Zoe Öllinger
- Luca Zinhobel

Danceable: Danceable is a smartphone app that helps users quickly find the right dance for a song.
With the help of short audio clips, recorded by the user , it suggests suitable dance styles, making dancing more accessible—especially for beginners. The app reduces uncertainty on the dance floor and encourages more people to start dancing confidently in social and event settings.



HTL Leonding 5AHIF

- Yane Al Shoufi
- Eros Klein
- Leo Breneis
- Katharina Minihuber

Der Ballkönig: Der Ballkönig is a modern, digitalized prom organization system for schools. Be it the committee that gets admin tools to set it up, manage operative tasks during the event, and show statistics, or anybody ordering a way more comfortable digital ticket instead of a forgeable, annoying-to-keep-on physical one, everybody wins by using our software.

17:20 - 17:35



Everyone

Break - Enjoy!

17:35 - 18:50

Projects 15 - 20



HTL Leonding 8ACIF

- Sarah Rio
- Ralph Mann
- Jürgen Huber

AiKita: AiKita is the AI-powered planning software for early childhood educators. It transforms complex pedagogical planning into a fast, intuitive, and research-driven process. By combining artificial intelligence with the latest educational science, AiKita saves valuable time and empowers teachers to focus on what truly matters — inspiring children to learn and grow.

HTL Perg 5BHIF

- Christoph Kletzenbauer
- Stefan Lintner
- Johannes Brandstetter
- Raphael Kopf

TimeIT: In collaboration with CountIT, we developed a custom calendar module integrating multiple existing systems. To gamify performance tracking, we introduced the T-Encoder-Pro, a hardware gadget for tactile data entry. This ecosystem is completed by a specialized tray application, offering the same intuitive functionality as the physical knob, ensuring seamless performance logging across both digital and physical interfaces.

HTL Leonding 5AHITM

- Isabella Baumann
- Lien Hochbichler
- Thomas Gossenreiter
- Stefanie Steinmair

LearnHub: LearnHub is a digital platform for HTL Leonding that supports exam preparation. It allows students to manage study notes and create custom test questions. With interactive practice and exam modes, the platform guides you toward the Matura (A-levels), providing detailed statistics to track and optimize your progress.



HTL Leonding 5CHIF

- Moritz Brunner
- Nikola Mladenovic
- David-Boaz Cristea
- Emil Avdic
- Amirhossein Mohamadi
- Htet Htun Kyaw
- Obaidullah Mushtaq
- Milad Moradi

PepperCaretaker: Pepper Caretaker combines humanoid robotics with the daily care routine of the Landl senior center: interactive storytelling, mini-games, and digital meal planning for staff and residents alike. All delivered by a friendly robot that listens, speaks, gestures, and recognizes faces.

HTL Perg 5AHIF

- Lukas Leitner
- Ádám Halász
- David Romani
- Andreas Prinz
- Lukas Langeder

QuizCruit: Quizcruit, developed for Netural GmbH, is an AI-powered quiz platform for career fairs. It generates or allows manual creation of topic-based challenges, evaluates answers using semantic AI validation, and helps companies assess candidates while applicants learn about employers. Features include real-time leaderboards and QR-code PDFs linking directly to the quizzes.



HTL Leonding 5AHIF

- Leo Oberndorfer
- Caroline H.

HulaSwirl: HulaSwirl is an automated drink machine for parties, bars, and events. It stores ten liquid ingredients and mixes them precisely using pumps. A web app lets users select or create recipes. It saves time, ensures consistent results, and prevents failed drinks. HulaSwirl is delivering cocktails, smoothies, or mocktails without bartender stress or expensive equipment.

18:50 - 19:10

Jury



- **Dominic Girardi** (CEO, datavisyn)
- **Christina Haas** (Founder & CEO, TogetherSecure GmbH)
- **Dieter Kranzlmüller** (Chair of the Board of Directors, Leibniz Supercomputing Centre)
- **Verena Pietsch** (Data Scientist, FILL GmbH
- **Barbara Schachner** (Team Lead Security Architecture & Testing, Dynatrace)
- **Christoph Schaffer** (Head of Degree Programs Mobile Computing and Digital Energy Solutions, University of Applied Sciences Upper Austria)



Award Ceremony

19:10 - 19:30

Categories

Best of Project
Best of Business
Best of Innovation

presented by the guest of honor

Julian Hopf
(School Quality Management,
Directorate of Education)

The Alumni Association invites all participants to a buffet!