

steeluniversity

steelChallenge-20



Join the Learning
Experience that is shaping
the future of steelmaking.

steelChallenge



Overview

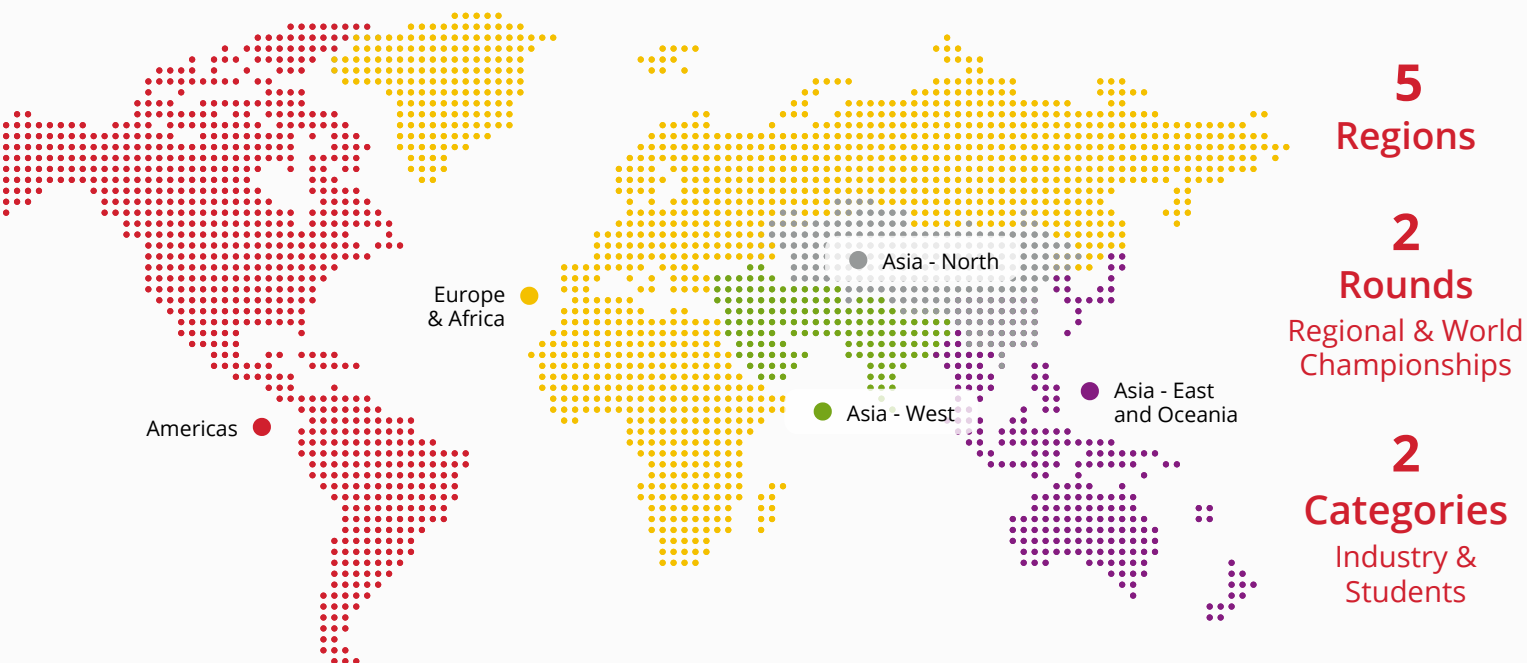
Welcome to **steelChallenge-20**, the global learning competition that empowers the next generation of steelmakers. Since 2005, thousands of students and young professionals from around the world have joined this transformative experience—gaining hands-on practice in steelmaking and showcasing their talent on a global stage.

In its 20th edition, steelChallenge continues to grow, with **over 30,000 participants** to date. Participants use advanced steelmaking simulators, explore interactive 3D models, and take part in specialised learning activities provided by steeluniversity.

This journey develops real-world skills, builds confidence, and helps you stand out—whether you're applying for internships, graduate roles, or building your early career.

You'll compete in a dynamic, **24-hour global challenge**, working to produce steel that meets performance, cost, and environmental targets.

Join steelChallenge-20 and take the next step in your career. Build your skills. Expand your network. Earn recognition. Shape the future of steelmaking.



The Challenge

steelChallenge-20 will take place in **two rounds**. The first, the Regional Championship, will be held on **25 November 2025**, beginning at 12:00 UTC. You will have **24 hours** to complete successful runs using our **steelmaking simulators**. The **top five participants in each category** will advance to the next round, the **World Championship**.

Objectives



Attract



Develop



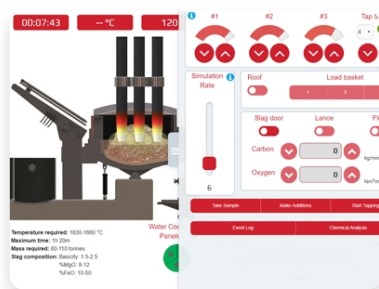
Collaborate

The goals of **steelChallenge-20** are to **attract and retain top talent** in the steel industry, **support the development** of young professionals and students in steelmaking, and **strengthen collaboration** between universities and industry.

By showcasing the exciting opportunities in steel, **steelChallenge** encourages bright individuals to **explore a future in the sector**. Through hands-on simulation and learning, participants gain essential skills for modern steel production. The challenge also helps bridge the gap between academia and industry—building connections that support career growth and drive innovation.

How it works

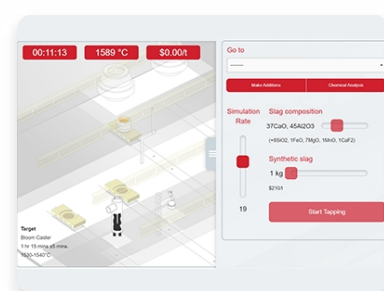
In **steelChallenge-20**, participants will run a combined simulation using the **Electric Arc Furnace and Secondary Steelmaking simulators**, aiming to meet strict targets for chemistry, temperature, and CO₂ performance.



Electric Arc Furnace Simulator

The challenge is open to individual participants in **two categories**: **Students** (for undergraduate and postgraduate students) and **Industry** (for young professionals already in the steel ecosystem).

Each competitor will be placed in one of **five global regions**: Americas, Asia – West, Asia – North, Asia – East and Oceania, Europe and Africa.



Secondary Steelmaking Simulator

The top five performers in each category and region will qualify for the World Championship, to be held in April 2026 during worldsteel's SGM.

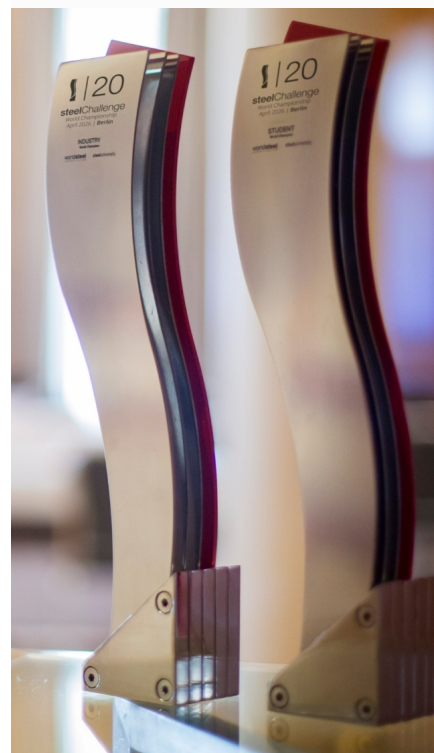
Full details—including rules, prizes, and registration—are available on the [steeluniversity](https://steeluniversity.org) website.

Prizes & Recognition

Finalists in steelChallenge-20 earn more than just a place in the spotlight—they gain recognition as some of the **brightest rising talents** in the global steel industry.

Those who qualify for the World Championship receive a **certificate from worldsteel**, cash prizes, and a travel allowance to join the final round in person. Champions are awarded the iconic **steelChallenge Trophy** and celebrated across worldsteel and steeluniversity channels.

But the true reward goes beyond trophies: finalists get to **connect with senior leaders, build lasting industry relationships, and open doors to exciting career paths** in one of the world's most essential industries.



steelChallenge-20 trophy

Schedule

01



Sep 1st, 2025

Open Registration

Registration opens at steeluniversity.org. Once registered, you'll gain access to simulators, e-learning courses, 3D models, tutorials, steelTalks Master Classes, and more!

02



Oct, 2025

Master Class #1

1-hour steelTalks Master Class delivered by steel industry experts.
The Master class is recorded and it is available with subtitles in English and Spanish.

03



Oct, 2025

Master Class #2

1-hour steelTalks Master Class delivered by steel industry experts.
The Master class is recorded and it is available with subtitles in English and Spanish.

04



Nov, 2025

Master Class #3

1-hour steelTalks Master Class delivered by steel industry experts.
The Master class is recorded and it is available with subtitles in English and Spanish.

05



Nov 25th, 2025

Regional Championship

Participants will have **24 hours** to complete successful runs using the combined steelmaking simulators, aiming to stand out as Regional Champions and secure a place in the World Championship.

06



Apr, 2026

World Championship

Only 10 finalists will advance to this prestigious final round and compete for global recognition. The World Championship will be held in April 2026 alongside worldsteel's Special General Meeting (SGM).

Why participate in steelChallenge-20?

Participating in **steelChallenge** offers a unique blend of educational, professional, and personal growth opportunities.

Join steelChallenge-20 and open the door to a world of opportunity.

Through hands-on experience with advanced steelmaking simulators, you'll develop the practical skills that set you apart. Dive into a rich learning environment filled with 3D models, expert-led Master Classes, and interactive e-learning courses tailored to today's industry needs.

Build a career that stands out with

global recognition that enhances your CV and connects you to exciting professional pathways. **Network with peers, mentors, and leading voices in steel**—building relationships that can shape your future.

At the heart of steelChallenge is a spirit of innovation and sustainability. You'll **strengthen your problem-solving abilities** while mastering technologies that define the future of

steelmaking. Compete for visibility, achievement, and the iconic steelChallenge Trophy.

Stay ahead of industry trends. Embrace the community. Forge your path forward.

steelChallenge is where your curiosity, ambition, and skills converge in a challenge that's as rewarding as it is real.



Dive into advanced simulators for **hands-on training** and access a wealth of learning resources at **steeluniversity**.



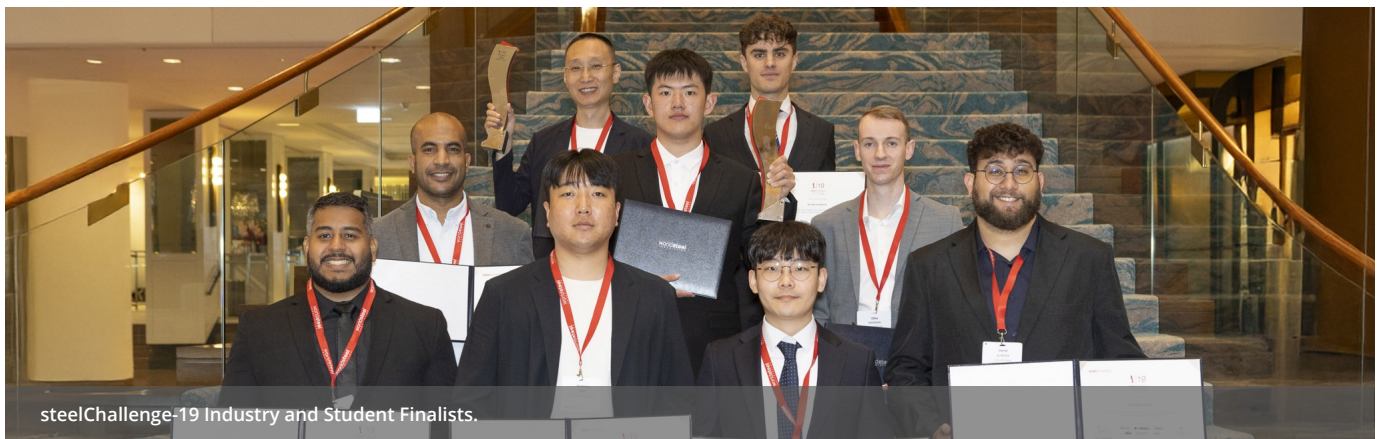
Increase your **chances of job offers and internships** from leading steel companies and stay ahead with exposure to the latest industry trends and technologies.



Gain global recognition and expand your network with industry leaders, enhancing your resume and opening doors to **new opportunities**.



Showcase your **commitment to innovation and sustainability**, demonstrating leadership in driving sustainable practices and advanced technologies in steelmaking.



steelChallenge-19 Industry and Student Finalists.



#steelChallenge #WorldChampionship

steelChallenge-19 World Championship Finals

300 views



steeluniversity
1.63K subscribers

Subscribe



Scan and watch! (or click here)

Watch what the finalists had to say about their journey to the World Championship



Join steelChallenge-20!

Are you ready to take the next step in your journey?

steelChallenge-20 is your chance to test your skills, learn from experts, and compete on a global stage. Whether you're a student preparing to enter the industry or a young professional looking to grow, this is where your future begins.

Registration opens on 1 September 2025 at www.steeluniversity.org.

Once registered, you'll gain access to simulators, master classes, 3D models, and the full library of steeluniversity resources to help you prepare.

You can take part individually or through your university or company. For any questions or guidance, contact us at muract@steeluniversity.org or avila@steeluniversity.org.

Join a global community of learners and future leaders who are shaping the steel industry of tomorrow. Your journey starts here—and the impact you make could carry far beyond the competition.

steelChallenge-20 is more than a competition—it's your next step forward. Are you ready?



steelChallenge-20

Regional Championship

25 November 2025

Register at steeluniversity.org

World Steel Association

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