

关于举办2025年华东师范大学国际优秀中学生智能机器人夏令营的通知

ECNU滴水湖国际软件学院 2025年06月20日 09:07 上海



2025年华东师范大学国际优秀中学生 智能机器人夏令营

2025 Summer School on Intelligent Robotics for outstanding international
junior high school and high school students

开营时间

2025年08月11日-2025年8月15日

August 11 to 15, 2025

上海·华东师范大学滴水湖国际软件学院

Shanghai · ECNU Dishui Lake International Software Engineering Institute

主办单位

- 国家软件人才国际培训基地（上海）
National Software Talent International Training Base (Shanghai)
- 华东师范大学软件工程学院（滴水湖国际软件学院）
Software Engineering Institute, ECNU (Dishui Lake International Software Engineering Institute)

协办单位

- The Construct Robotic机器人学院（欧洲）
The Construct Robotics Institute (Europe)
- 新加坡罗森桥公司
Rosen Bridge Singapore

课程亮点



- ✓ **学习人工智能机器人技术前沿知识**
Learn Cutting-edge AI and Robotics Knowledge
- ✓ **卓越教师团队与国际化学习氛围**
Outstanding Teaching Team and International Learning Atmosphere
- ✓ **理论与实践相结合的互动型课程体系**
An Interactive Curriculum System that Combines Theory with Practice
- ✓ **获得高校认证证书与国际科创赛事直通邀请名额**
Obtain Certificates and Invitation to International Competition

课程内容

机器人技术基础理论 Basic Theories of Robotics

- 机器人导论
Introduce to Robotics
- Linux 操作系统面向机器人技术的运用
Linux Operating System in Robotics Application
- Python3 面向机器人技术的运用
Python3 in Robotics Application
- Generative AI 面向机器人技术的应用
Generative AI in Robotics Application
- ROS2 基础学习
Ros2 Basics

技术实践与成果展示 Technical Practice and Achievement Exhibition

- 机器人智能导航实践
Robot Autonomous Navigation Practice
- 小组答辩与成果展示
Group Presentation and Defense

文化体验活动 Cultural Experience Activities

- 城市采风
City Walk
- 企业参访
Industry Visit
- 开/闭营仪式
Opening/Closing Ceremony
- 招生宣讲
Admissions Sharing

招生对象

- ✓ **国内外在读高中生、拥有编程基础的优秀初中生**
Local and international high school students, excellent junior high school students with programming experience
- ✓ **对信息类相关专业有浓厚兴趣，思想上进、志存高远、具有强烈社会责任感，身心健康**
Possesses strong interest in Information Systems/ Computer Science related majors, forward thinking, ambitious, a strong sense of social responsibility, physically and mentally healthy
- ✓ **综合素质突出，学习成绩优秀，外语水平良好，动手能力强**
Well rounded, excellent academic performance, good foreign language proficiency, and strong hands-on ability
- ✓ **对机器人领域具有强烈志趣，在机器人、信息学等相关竞赛中取得优异成绩的同学同等条件下优先录取入营**
Students who have a strong interest in the field of robotics and have achieved excellent results in relevant competitions such as robotics and informatics will be given priority for admission to the camp under the same conditions

其他事项

- **活动费用 Activity Fee**
活动费用：7000 元/人。费用包括住宿费、餐饮费、授课费、活动费、资料费、保险费以及可能产生的参观费用。
Price: **7000 yuan/person.** The fees cover accommodation, food, course fees, activity fees, material fees, insurance fees and ticketing fees.
优惠价：6500 元/人。华东师范大学教职工子女、校友子女及附属学校学生报名，立减**500元**。
Discount Price: **6500 yuan/person.** Children of faculty of ECNU, children of alumni of ECNU and current students of ECNU Affiliated Middle School and can enjoy a **discount of 500 yuan.**
- **退费说明 Refund Instructions**
如成功报名后因个人原因取消行程，**7月5日（含）前退出退还100%活动费用；7月6日-8月9日（含）退出，退还60%活动费用；8月10日及以后退出，则无法退款；若不成团或因不可抗力因素取消，全额退款。**
If participation is withdrawn due to personal reasons after successful registration, 100% of the activity fee will be refunded for withdrawals before 5th July inclusive; 60% of the activity fee will be refunded for withdrawals from 6th to 9th August inclusive; and no refunds will be given for withdrawals from 10th August onwards. In the event that Summer School is cancelled due to insufficient participation or force majeure, a full refund will be given.
- **联系人：卢老师**
电话：17326030345
邮箱：yzlu@sei.ecnu.edu.cn
Contact: Miss LU
Phone: 17326030345
Email: yzlu@sei.ecnu.edu.cn

导师信息

张新宇：华东师范大学软件工程学院教授、博士生导师，智能机器人运动与视觉实验室主任，中国ROS（机器人操作系统）暑期学校创始人，ROSCon China 2024（ROS开发者大会）大会主席，担任中国高校智能机器人创意大赛等多个机器人竞赛指导专家或评委。

Zhang Xinyu, Professor and Doctoral Supervisor of Software Engineering Institute, ECNU, Director of Intelligent Robot Motion and Vision Laboratory, founder of China ROS (Robot Operating System) Summer School, President of ROSCon China 2024 (ROS Developer Conference). Served as the expert advisor and judge of various robot competitions such as the Intelligent Robot Creative Competition of Chinese Universities.

Ricardo Tellez，加泰罗尼亚理工大学人工智能学博士，The Construct的首席执行官。The Construct 是一家专注于ROS技术研发和应用的企业，拥有一支由ROS领域专家和工程师组成的强大团队。Ricardo Tellez 在机器人技术、计算机科学和人工智能等领域拥有扎实的学术背景，还有着15年为基于ROS的机器人构建软件的经验，包括人类大小的类人机器人。其研究主要集中在机器人感知、控制和人工智能应用等方向，致力于将先进的机器人技术应用于现实世界中的复杂问题。

Ricardo Tellez, Universitat Politècnica de Catalunya (UPC) PhD, Artificial Intelligence. CEO of The Construct. The Construct is a company focused on ROS technology development and application, with a strong team of experts and engineers in the field of ROS. Ricardo Tellez has a solid academic background in robotics, computer science, and Artificial Intelligence, with 15 years of experience building software for ROS-based robots, including human-sized humanoid robots. His research focuses on robot perception, control, and Artificial Intelligence applications, and is committed to applying advanced robotics to complex problems in the real world.

Moo Chee Gen，曾在知名日企及台企担任电气工程师与设备工程师，在新加坡科技与设计大学（Singapore University of Technology and Design）担任研究员，专注于人工智能与机器人设计开发领域，主导并成功完成多项新加坡国家机器人研发项目，后联合创办RosenBridge Singapore并担任CEO，致力于推动AI机器人教育与工业界的衔接。

Moo Chee Gen, previously worked as an Electrical Engineer and Equipment Engineer at renowned Japanese and Taiwanese enterprises. He later served as a Researcher at the Singapore University of Technology and Design (SUTD), specializing in Artificial Intelligence and robotics design and development, where he led and successfully completed multiple national robotics research and development projects in Singapore. He subsequently co-founded Rosen Bridge Singapore and currently serves as its CEO, dedicated to bridging AI robotics education with industry applications.

Cheng Ruo Xi，毕业于新加坡科技与设计大学（Singapore University of Technology and Design）计算机科学与设计系。毕业后留校担任机器人实验室ROAR LAB研究员，专注于人工智能与机器人设计与开发。后联合创办RosenBridge Singapore并担任执行董事。

Cheng Ruo Xi, graduated from the Singapore University of Technology and Design (SUTD) with a degree in Computer Science and Design. She then joined SUTD Robotics and Automation Research Laboratory (ROAR LAB) as a Researcher, where she specialized in Artificial Intelligence and robotics design and development. She later co-founded Rosen Bridge Singapore and currently serves as the Executive Director of the company.

报名方式

2025年7月15日前提交报名材料，由华东师范大学负责审核材料并择优录取。扫描下方二维码或点击文末“阅读原文”报名缴费。**报名者如为华东师范大学附属中学学生，请于缴费时于“备注栏”注明“就读学校”。**

Application materials should be submitted before July 15, 2025. ECNU will be responsible for reviewing the materials and selecting the best applicants. Scan the QR code below or click "Read the original" at the end of the text to register and pay. **If you are a student of the school affiliated to East China Normal University, please indicate "school" in the "Remarks Column" when paying the fee.**



为充分发现并培养未来科技创新人才，推动智能制造、人工智能等产业发展和国际合作，华东师范大学软件工程学院（滴水湖国际软件学院）将于**8月11日至15日**期间举办**国际优秀中学生智能机器人夏令营活动**。

To foster the development of future technological talents, and to promote advancements in intelligent manufacturing, artificial intelligence, and other industries through international collaboration, the Software Engineering Institute at East China Normal University (Dishui Lake International Software Engineering Institute) will host the **2025 Summer School on Robotics for international outstanding junior high school and high school students** from **August 11 to 15, 2025**.

活动介绍

Program Introduction



人工智能（AI）和机器人技术是当今科技发展的两大重要领域，已成为世界强国重点发展的产业，是衡量一个国家科技创新的重要标志，是全面融入国计民生的重要支撑技术。**培育该领域新工科人才**已成为国家教育的重要部署。

华东师范大学软件工程学院成立于2002年，是国家首批35所示范性软件学院之一，2020年再次入选首批特色化示范性软件学院。软件工程学科在教育部最新学科评估中**位列A档**，2020、2021、2022年软科中国最好学科排名连续三年位列第二，2023、2024年升至第一。**2024年与临港新片区管委会共建滴水湖国际软件学院**，开始产教融合新探索。

华东师范大学较早开展机器人操作系统相关教学，2015年最早发起举办全国机器人操作系统（ROS）暑期学校，与国内外同行共同推进机器人操作系统ROS在中国的普及与产业应用，至今已经**10届**，共有近500所高校，上万名本科生、硕士、博士生参加。

本次夏令营是华东师范大学为国内外中学生打造的工科实践提升平台。为期五天的夏令营活动，营员将在海内外导师组指导下进行系统的机器人知识学习，让更多对机器人感兴趣、有志于投身智能机器人领域的学生提前认知机器人设计研发过程，**为未来的学习深造及科学探索打下基础**。

Artificial intelligence (AI) and robotics are pivotal areas in today's technological advancements. These fields have become cornerstone industries for the world's leading nations, serving as key indicators of a country's scientific and technological innovation. They are also an important supporting technology to be fully integrated into the national economy and people's lives. **Cultivating new engineering talents** in this field has thus become a significant focus of national education.

Founded in 2002, the Software Engineering Institute at East China Normal University is one of the first 35 demonstration software institutes in the country and was selected as the first batch of characteristic demonstration software school in 2020. In the latest Ministry of Education discipline assessment, the Software Engineering discipline **ranks A tier**. The Soft Science China Best Discipline ranking placed it second for three consecutive years (2020, 2021, and 2022), and it rose to first place in 2023 and 2024. **In 2024, the institute co-established the Dishui Lake International Software Engineering Institute with the Lingang Special Area Management Committee**, beginning to explore the integration of industry and education.

In 2015, East China Normal University pioneered the National Robot Operating System (ROS) Summer School to promote the popularization and industrial application of ROS in China, collaborating with both domestic and international partners. Now in its **10th year**, nearly 500 universities and tens of thousands of undergraduate, master's, and doctoral students have participated.

This Summer School serves as an engineering practice and enhancement platform, created by East China Normal University for junior high school and high school students from both domestic and international backgrounds. During the five-day program, participants will systematically learn about robotics, guided by expert tutors from both China and abroad. This experience allows students with an interest in robots and joining the field of intelligent robotics to gain early insight into the design and development process, **laying a solid foundation for future academic pursuits and scientific exploration**.

组织单位

Organizers



主办单位：

- ▲ 国家软件人才国际培训基地（上海）
- ▲ 华东师范大学软件工程学院（滴水湖国际软件学院）

协办单位：

- ▲ The Construct（西班牙）
- ▲ Rosen Bridge Singapore（新加坡）

Organizers:

- National Software Talent International Training Base (Shanghai)
- Software Engineering Institute, East China Normal University (Dishui Lake International Software Engineering Institute)

Co-organizers:

- The Construct (Spain)
- Rosen Bridge Singapore

其他事项

Additional Information



▲ 活动费用：

活动费用：7000 元/人。费用包括住宿费、餐饮费、授课费、活动费、资料费、保险费以及可能产生的参观费用。

优惠价：6500 元/人。华东师范大学教职工子女，附属中学在读学生及校友子女报名，立减500元。

▲退费说明：如成功报名后因个人原因取消行程，**7月5日（含）**前退出退还**100%**活动费用；**7月6日-8月9日（含）**退出，退还**60%**活动费用；**8月10日及以后退出，则无法退款**；若不成团或因不可抗力因素取消，全额退款。

▲联系人

卢老师

电话：17326030345

邮箱：yzlu@sei.ecnu.edu.cn

•Activity fee:

Price: **7000 yuan/person.** The fees cover accommodation, food, course fees, activity fees, material fees, insurance fees and ticketing fees.

Discount Price: **6500 yuan/person.** Children of faculty of ECNU,current students of ECNU Affiliated Middle School and children of alumni of ECNU can enjoy a **discount of 500 yuan.**

•Refund instructions:

If withdrawal happens due to personal reasons after successful registration, **100%** of the event fee will be refunded **before July 5 (inclusive)**; From **July 6 to Aug 9 (inclusive)**, **60%** of the event fee will be refunded; For withdrawals on or after Aug 10, there will be no refund. Full refund in case of cancellation due to force majeure.

• Contact

Miss LU

Phone: 17326030345

Email: yzlu@sei.ecnu.edu.cn

报名方式

Application Deadline



2025年7月15日前提交报名材料，由华东师范大学负责审核材料并择优录取。

扫码下方二维码或点击文末“阅读原文”报名缴费。**报名者如为华东师范大学附属中学学生，请于缴费时于“备注栏”注明“就读学校”。**

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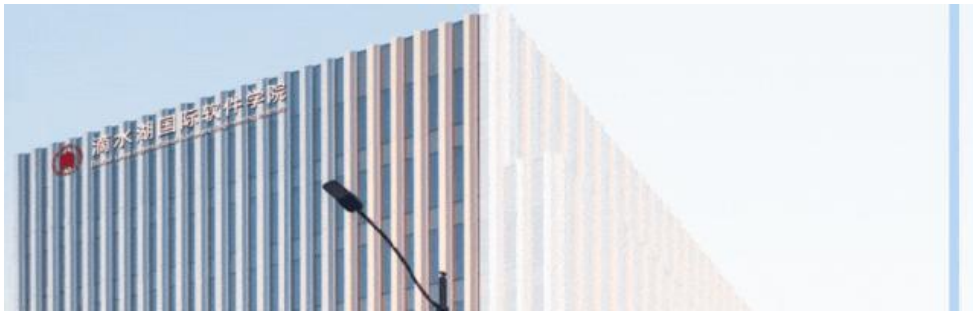


报名二维码



缴费二维码

ECNU DISEI



编辑 | 卢昱舟

审核 | 朱丹



ECNU滴水湖国际软件学院

2024年6月18日，滴水湖国际软件学院正式成立，将联合头部企业打造产教融合新模式...
2篇原创内容

公众号

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