

2025



China's good practice in getting young people involved into RP roles

Li Hua

2025/4/2



中国辐射防护学会
China Society of Radiation Protection



中国辐射防护研究院
CHINA INSTITUTE FOR RADIATION PROTECTION

Issue No. 8

Sponsoring Organization : China Society of Radiation Protection (CSRP)



China Society of Radiation Protection NEWSLETTER

CONTENTS

Highlights

CSRP becomes a member of CAST | CSRP 2023 Radiation Protection Conference held in Chongdu, Sichuan, China | CSRP held the 8th "Nuclear + X" Creativity Competition for College Students | CSRP held the evaluation meeting of the Zhongyuan Young Scientist Award

Preface

CSRP 2023 Annual Review

The Road to High-Quality
Development

01

1 CSRP & YGN

03

05

07

21

23

24

2 Initiatives

25

27

29

34

35

45

3 Summary

40

49

51

LIST OF HONOR

List of Winners for CSRP Science and Technology Award 2023.....54

List of Winners for Zhongyuan Young Scientist Award 2023.....58

List of First and Second Prize Winning Works in the 8th.....59

"Nuclear + X" Creativity Competition for College Students

◆ Part I ◆

CSRP & its Youth Committee

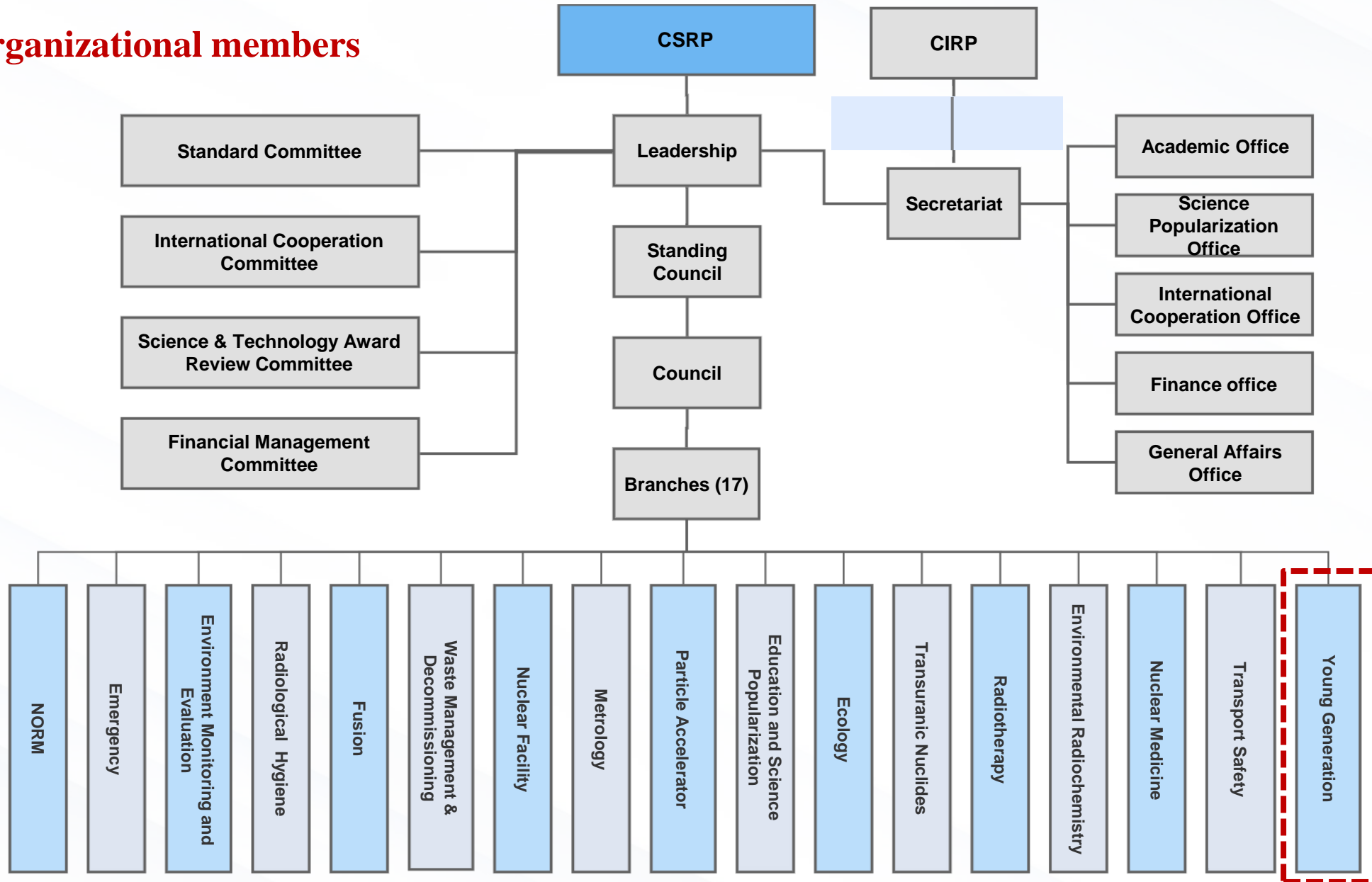
■ Overview of CSRP

- Founded in 1980, a chapter of Nuclear Society
- The only national-level academic society in China dedicated to radiation protection
- Member of the International Radiation Protection Association (IRPA) since 1986
- In 2014 upgraded to a national-level society
- with the China Institute for Radiation Protection (CIRP) as its supporting institution
- In 2024, approved as a member organization of the China Association for Science and Technology (CAST)



■ Overview of CSRP

195 Organizational members



■ Youth Committee of CSRP (CSRP-YC)

- **Established in 2019**, with a five-year term
- Currently in second term, has **85 members**
- Research institutes, universities, nuclear power plants, hospitals, and government regulatory bodies.
- Promoting the professional development and international exchange and cooperation of **young radiation protection professionals**

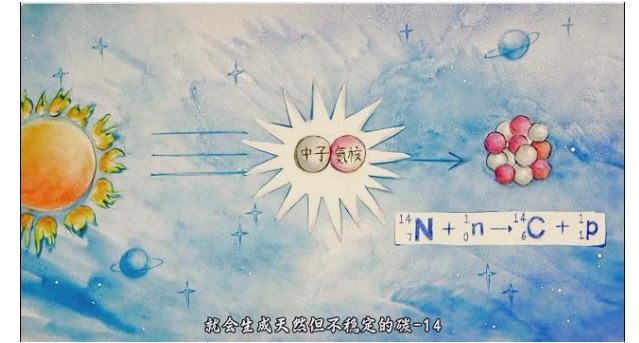


◆ Part II ◆

Good practice in getting more young people involved into RP roles

■ 1. “Nuclear + X” Creativity Competition for College Students

- Initiated in 2016 by CSRP and the Ministry of Education, sponsored by CNNC
- Participating institutions: Over 80 universities and 12 provincial societies.
- Nearly 20,000 participants, including teachers and students.
- Over 4,000 science works collected and disseminated.
- Reach: More than two million people



2017
Fudan University



2019
Harbin Engineering University



2021
Southwest University of Science and Technology



2023
Jilin University

2016
Tsinghua University



2018
University of Science and Technology of China



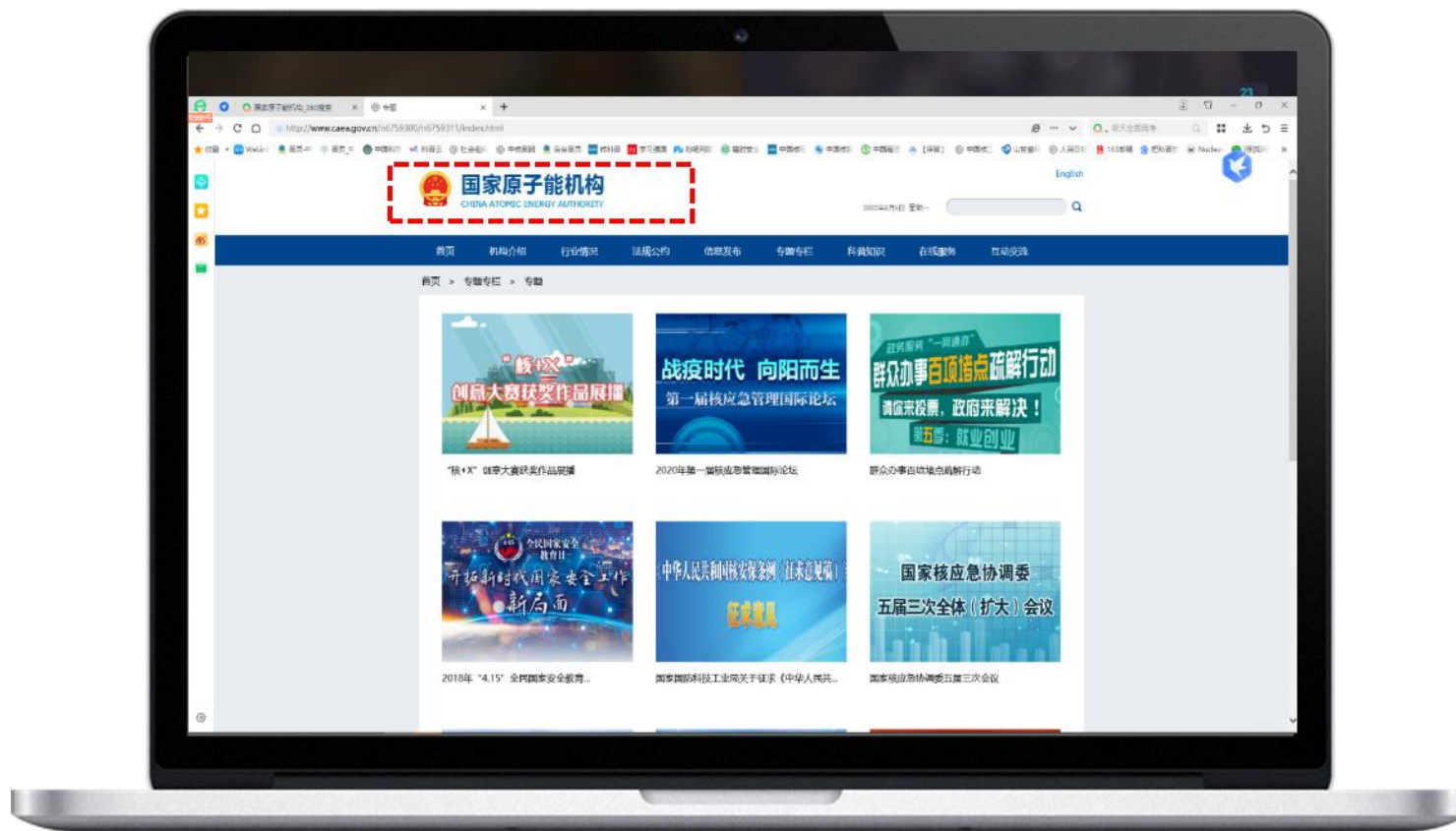
2020
Nanjing University of Aeronautics and Astronautics



2022
Xi'an Jiaotong University



■ 1. “Nuclear + X” Creativity Competition for College Students



▲ exhibit through a special column on the
CAEA website



▲ exhibit through the **WeChat** public
account of **NNSA**

■ 1. “Nuclear + X” Creativity Competition for College Students

Bringing Popular Science Books into Schools

The excellent works of the "Nuclear + X" Creativity Competition has been compiled into a booklet and introduced as popular science reading materials to primary and secondary school campuses, children's activity centers, and popular science education bases in Beijing, Shanghai, Jiangsu, Shanxi, Hebei, Gansu, etc.



■ 2. University-focused events for Master's and PHD's Students



Collaboration

- reach out to universities
- select those with radiation protection disciplines as event partners

Communication

- University session in Radiation Protection Annual Conference
- Inviting young scholars from domestic and international universities

Technical Visit

- visit and investigate advanced radiation protection laboratories and research institutions

■ 3. X+ Youth Forum Activity for People who worked for the first 10 years

Cross-committee Collaboration

- CSRP has established 17 professional branches
- The Youth Committee is the only branch established based on age rather than professional direction.

Cross-disciplinary Collaboration

- Promote interdisciplinary collaboration projects
- expand the scope of “X+ Activities”

Cross-national Collaboration

- joint research
- academic conferences, seminars, exhibitions
- academic visits
- academic journals, research reports



■ 4. “Stories of older generation” activity for the whole young generation



1

Conduct Thematic Interviews

2

Combination of Online and Offline Formats

3

Organize Face-to-Face Exchanges

■ 5. RP Young Scientist Lecture Hall for the whole young generation

辐射防护青年科学家
讲堂

学术交流题目：《肿瘤放疗中的宏观剂量和
微纳尺度剂量学问题研究》



受邀人： 闫聪冲

地点： 2025.04.11 9:00

时间： 前沿中心 1楼会议室

受邀人简介：

闫聪冲，苏州大学特聘副教授，硕士生导师。毕业于清华大学，获工程物理系核科学与核技术博士学位。研究方向主要聚焦于空间辐射对航天员健康风险的评估研究，多尺度肿瘤生长及其放射和免疫响应研究，微纳尺度辐射剂量学（细胞、细胞器及DNA损伤模拟研究），以及放射化学晶体结构的辐射效应研究。其参与的“高能量转化效率铜系辐射光伏微核电池的创制”研究获“2024年度中国科学十大进展”，还荣获江苏省“双创博士”、苏州大学“优秀青年学者”等人才奖项。在Nature、Laser & Photonics Reviews、NPJ Microgravity等期刊发表学术论文20多篇，同时担任中国辐射防护学会青年工作委员会副主任委员、中国核学会医学物理分会委员、原子能科学技术青年编委等学术兼职。以主编、副主编等参与编写《载人航天放射医学》、《中国大百科全书（核技术篇）》、《IAEA医学物理体系丛书：临床合格医学物理师的角色、职责及教育培训要求》、《放射卫生基础》等十余部教材。

研讨会将聚焦微纳尺度剂量学等内容进行交流讨论，欢迎各位同事届时参会。



中国辐射防护研究院
CHINA INSTITUTE FOR RADIATION PROTECTION



中国辐射防护学会青委会
Youth Committee of China Society of Radiation Protection

Event Positioning: Facilitate academic exchanges among young radiation protection scientists.

Implementation approach:

- Start with CIRP as a pilot
- Conduct monthly academic exchanges in 2025
- Gradually expanded to 2-5 member institutions starting from 2026

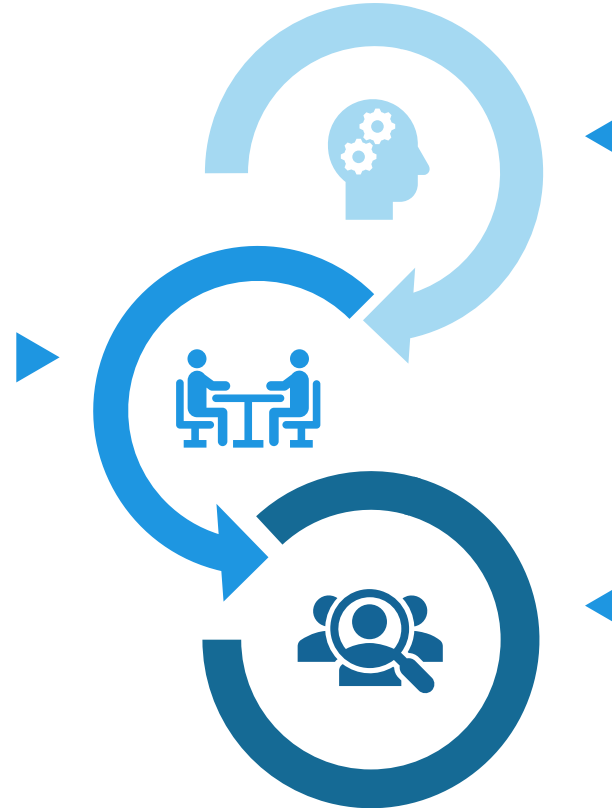
Feasibility and Impact

- No fixed format, highly feasible
- In 2025, expected to facilitate over 20 academic exchange activities

■ 6. Mentor Program for excellent young talents

One-on-one guidance

- **Mentor Recruitment:** internal recommendations and open recruitment.
- **Mentee Recruitment:** Youth Committee, universities, and research institutions, encouraging eligible young researchers to apply.
- **Matching Mechanism:** based on research direction, career goals, and expertise



Deep Interaction

- Regularly online Q&A sessions and offline seminars

Evaluation mechanism

- An evaluation mechanism for the mentor program

■ 7. Young Talent Support Project (Under 32 years old)

中国辐射防护学会 “青年人才托举工程”管理办法 (试行)

第一条 根据《中国科协青年人才托举工程管理办法》要求，为进一步规范中国辐射防护学会“青年人才托举工程”项目的实施和高质量开展，选拔、培养优秀青年科技人才，为国家培养高层次创新型科技人才队伍建设的核心后备力量，制定本办法。

第二条 “青年人才托举工程”是在中国科学技术协会（以下简称“中国科协”）的指导下，中国辐射防护学会组织实施的科技人才培养工作。旨在培养一批思想政治素质高、具有创新精神的优秀青年科技骨干，逐步形成青年科技专家群体，为国家辐射防护领域人才储备做出贡献。

第三条 通过中国辐射防护学会“青年人才托举工程”项目评选的人员，将被纳入学会“青年人才托举工程”人才库，并择优推荐参加中国科协“青年人才托举工程”项目评选。

第四条 被托举人推荐条件

(一) 基本条件

1. 在中华人民共和国境内工作学习的中国籍公民；
2. 应为中国辐射防护学会个人会员，热心学会发展，积极参与学会活动；

1

- Targeting professionals under 32
- Each project provide 450000 RMB in 3 years
- Innovative young leaders with funding, mentorship, and academic opportunities
- Top participants are recommended to a national talent program
- build a strong talent pool and enhances national expertise in radiation protection.

■ 8. Pan Ziqiang Young Scientist Award (Under 45 years old)

- Established in 2019, name changed in 2022 to honor **Professor Pan**
- Recognize young scientific talents with outstanding achievements and contributions
- youth-specific category within the Science and Technology Award

Dr Ziqiang Pan



Membership

[Main Commission](#), Member (1997/07/01 - 2013/06/30)

Affiliation

China Atomic Energy Authority

Country

China



◆ Part III ◆

Summary

■ Summary

- Providing extensive exchange is fundamental: only through constant interaction with diverse individuals can youth truly learn new things.
- We must address different stages of youth development—sparking interest for university students, offering guidance for newcomers to the field, and providing resources to support accomplished young professionals.
- Diverse formats are essential: only a variety of approaches can effectively meet these goals.

Thanks.

2025.04.02



中国辐射防护学会
China Society of Radiation Protection



中国辐射防护学会青委会
Youth Committee of China Society of Radiation Protection

