



Foundation for advanced technology

research and Application

white paper

ONLY FIND YOUR OWN WORLD, LIFE REALLY MEANINGFUL!
只有找到自己的世界，人生才真正有意义！

——先进技术研究与应用基金会



科技是民主的，它在不断缩小人与人、国与国的差距，赋予人们更多、更自由的权利。我们将在科学和技术领域进行永不停歇的攀登与探索，我们希望打造一个无国度的先进技术研究与应用基金会，给予先进技术人才更好的平台和提供更好的机会，记录先进技术研究人员的事迹和成果，完成先进新技术的普及。了解详情请登录官网：www.atraf.org



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I. ATRAF brief introduction

A. location :

Advanced Technology Research and Application Foundation (Abbreviation ATRAF or ATRA foundation) Registered in the federal government of Canada, is an independent, nonpartisan non-profit organization (Not-for-profit Corporations) , The registration number is 1166797-1, the business code is 767706278rc0001, the headquarters is located in Vancouver, the Foundation hopes to unite the global advanced technology researchers, practitioners, business owners, including enthusiasts, to carry out the global academic exchange of high-tech advanced technology, focusing on academic exchange and science and technology services, to promote the research of advanced technology and transform technology into achievements, and to successfully land in various societies Meeting / commercial application.

Advanced Technology Research and Application Foundation

Why Canada?

Canada is located in the northernmost part of North America, with vast oceans on both sides. It does not need to worry about foreign invasion or encroach on other people's cheap. It pursues "semi socialism", with a perfect social security system and no soil for populism or radicalism. Few countries have such advantaged resources and conditions that they can concentrate on nothing else, which has become a natural soil for technical research.

B. Slogan

Remember all your efforts for technological innovation

C. Mission & Vision

Science and technology is democratic. It is constantly narrowing the gap between people, countries and giving people more and more freedom. We will never stop climbing and exploring in the field of science and technology. We hope to build a national foundation for advanced technology research and application, provide a better platform and opportunity for advanced technology talents, record the deeds and achievements of advanced technology researchers, and complete the popularization of advanced new technology.

In the world of science and technology, we will find and excavate the advanced technical talents scattered in all corners of the earth and the advanced technologies created by these talents to publicize and commend, so that the advanced technical talents are no longer alone, and we hope to promote social development, realize the better service of science and technology for human



society, and help more people enjoy the convenience of high technology Profit.

D. Our goals

- Unite advanced technology researchers, care and speak with advanced technology personnel;
- Support economic growth and job creation through innovation, as well as health and quality of living environment;
- Provide support for the development of high-quality talents and expand research and job opportunities through research and exchange;
- Promote production networks and cooperation among universities, colleges, research institutions, non-profit organizations and commercial companies around the world.

E. Value Proposition

- Science and technology serve humanity
- Fearless of authority
- Scientific solution to theoretical problems and technical solution to practical problems.

F. LOGO





G. Areas of concern

- AI
- Block chain
- Cloud
- Big Data
- IOT
- Quantum
- Mobile Communication

H. Judgement logic

- Progressiveness: is it the best indicator in some areas?
- Originality: The proportion of original content work, rather than just integrating some existing work
- Value: Whether the actual influence and value of this work in this field are high enough.
- *The foundation provides a set of original and standard advanced theoretical models to judge the standards of technical projects

II. Ecosystem

ATRA foundation strives to independently develop a set of social experimental products for member services, and establish the ecosystem of ATRA foundation.

Ecosystem is translated as ecosystem. In fact, it is more appropriate to call innovation ecology. The innovation ecosystem is characterized by numerous organizations or individuals with common goals or value bases. One or two core organizations control the core links of the ecosystem chain and provide platforms for other companies or individuals so that these companies can benefit from the innovation ecosystem. The ecosystem system established by ATRA Foundation hopes that science and technology can provide better life for human society and technology Serve the people.

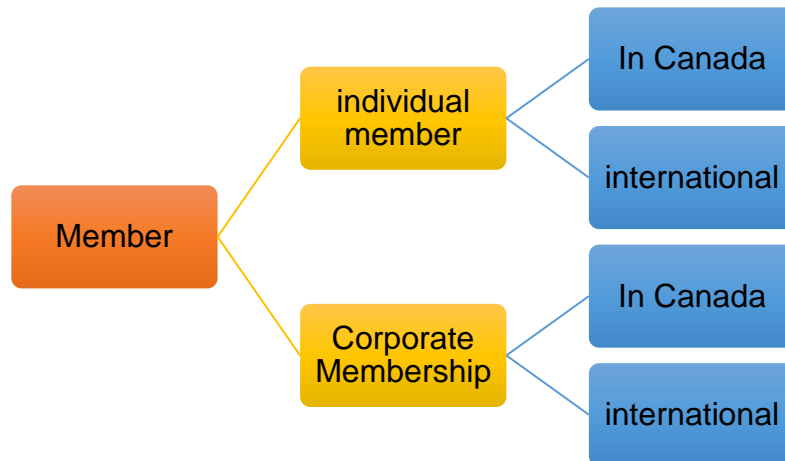
Ecosystem is designed around the keywords of "knowledge, growth, recognition, respect and honor".

A. Portrait of member group

- Product Manager / Project Manager / technical R & D personnel with more than 5 years experience in related industries
- Business owners and middle managers of science and technology companies
- University professors and researchers
- Bachelor's degree or above in related fields



B. Member



Based on professionalism, ATRA foundation implements the member recommendation system. Individual members must have existing members to recommend. Each member has only three recommended places. The submission system is reviewed. The number of founding members is limited to 36

There are two types of formal members: individual members and enterprise members, both international and domestic (in Canada)

Individual member

Individual member obtains individual member certificate of foundation

Conditions for individual membership:

- Agree with ATRA Foundation

- Recommended by an existing member

- Paper certificate / business certificate

- The inspection and audit period is 3 months

- After the end of the inspection and verification period, he / she will become a full member to obtain the membership certificate, have the recommended qualification and enjoy the membership rights and interests.

Corporate Membership

Enterprise member obtains enterprise member certificate of foundation

Corporate membership requirements: for companies with offices in Canada, they are usually engaged in research and development activities or selling technical solutions to the Canadian private and / or public sector market.

International enterprise membership: for companies outside Canada, we establish strategic partnership or business cooperation with us to promote common interests (such as technology research, trade and investment promotion, service provision, academic exchange, etc.)

- individual member

Equity



- Jointly maintain the growth of the foundation and participate in the daily operation of the foundation
- Recommend advanced technology / talents / projects to the foundation, and recommend them to the list of commendations and Awards
- Foundation membership certificate and official website member display
- Technology / achievements researched and developed / concerned by the company shall be spread in relevant English media first
- Participate in related projects of the foundation or actively put forward research topics
- Using ATRA foundation on personal resume
- Recruit members and find more like-minded people (based on professionalism, ATRA foundation realizes membership recommendation system, each member Only 3 recommended places)
- International academic and technical exchange and paper recommendation
- Docking of technical achievements into commercial application resources
- Transnational technical project cooperation

Obligation































- Pay attention to the development of advanced technology and contribute to all affairs issued by the foundation
- Publicize the foundation to the outside world and speak for its members when necessary
- Participate in the decisions of the foundation and vote
- Maintain the external image of the foundation and synchronize all kinds of relevant information related to the foundation in a timely manner

● Founding member

Founding members refer to the members who joined the ATRAF foundation in this special period when the foundation was founded. The total number of members is 30. They are featured names and have no other privileges

The list of ATRAF founding members is as follows (ranking in no order):



 Yansong Bai Artificial Intelligence · Internet Application · Data Storage	 Xi Duan Blockchain · Internet Application · Internet of Things	 Meiyun Guo Internet Application · Internet of Things	 Lei Dong Game Engine · Internet Application	 Yu Sun Data Storage · Internet Application	 Jet Ding Internet Application · Internet of Things
 Peng Jiang Internet Application · Internet of Things · Blockchain	 Haisong Ma Product Design · Internet Application	 Yongyin Long Product Design · Internet Application · Internet of Things	 Guangen Lin Product Design · Internet Application	 Zhiming Mao Internet of Things · Electric vehicle manufacturing	 Hongyu Liu Internet of Things · Data transmission
 Feng Liu Blockchain · Artificial Intelligence · Brain-Computer Interface	 Binhua Lin Digital entertainment technology · Interactive media design	 Zhizhen Liu Digital art design · Big data analysis	 JianHong Song Product Design · Internet Application	 Xuanyong Wu Blockchain, Big data, Security	 Xiaohua Wang Information security technology
 Yueyan Yan Internet Application	 Lei Shao Blockchain · Product Design	 Jian Wang Internet Application · Big data analysis	 Zheng Wang Digital entertainment technology · Virtual reality/Augmented Reality	 Hao Wu Blockchain	 Songqing Yang Internet of Things · Information security technology
 Pengju Zhang Internet Application · Big data analysis	 Yafei Zhang Product Design · Internet Application	 Xiaohai Lu Internet of Things · Artificial Intelligence	 Yang Zhang Engine technology	 Yunfan Liu Internet Application · Product Design	 Hui Zhang Innovation and Entrepreneurship

● Corporate Membership

Equity

- Priority to participate in and select projects / technologies for commercial cooperation
- Provide enterprise technology solutions and member talent channels
- Give priority to provide resources for enterprise technology related training and issue training certification
- Provide global advanced technology channel for enterprise members, and strengthen the smoothness of enterprise and technology academic research



C. Think tank

- Tutor group

Definition: a leader who enjoys a reputation in the relevant areas of interest to the ATRA Foundation
The mentoring group is a leading person enjoying a good reputation in relevant technical fields, which can bring more opportunities for growth and cooperation to foundation members. ATRA will try its best to invite qualified people to join the mentoring group.

- Advisory Group

Definition: well-known personages, including well-known entrepreneurs, who are well-known in non-focus areas of ATRA foundation and have obtained certain social recognition
The advisory group can be compared with the resource group. Technology needs to be implemented. To a certain extent, it needs the support and integration of industrial upstream and downstream resources and social resources. ATRA foundation will invite those who meet the invitation to become the Advisory Group.

- Cooperative organization

It refers to the units that establish in-depth cooperation among universities, colleges, research institutes and non-profit organizations.

All ecosystem contacts receive research and application related information from foundation members.



D. System function

Frame work

Member	individual member
	Corporate Membership
	Project Technology Library
	Commendation record
Project / Technology	Tutor group
	Advisory Group
	Cooperation unit
Resources	Governance Committee
	Financial publicity
Government	Foundation introduction
	contact
about	

The display of individual members requires image photos, names and research fields, and supports certificate query

In the later stage, the project assistance adopts the member voting system to record the help of members to the project.

Record: Talent / Project recognition

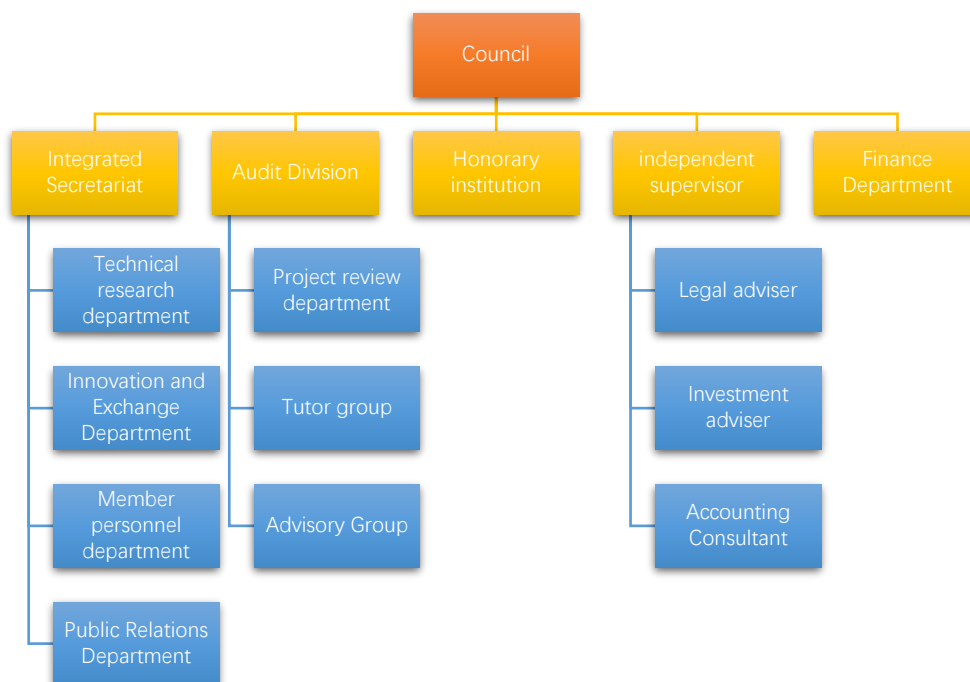
E. Exit mechanism

ATRA foundation members are free to exit. When exiting, they need to fill in the exit form and then inform the recommender to exit (Chuangshi members have no recommender, just inform the affairs team to fill in the form). The contributions and journeys that members have made in the foundation after exiting will never be destroyed or destroyed.



III. Government

A. Governance framework



The Council is elected by its members, with 15 members in total. The Council has 1 Chairman in office and 2-3 vice chairmen. The chairman in office is appointed every 3 years without special circumstances. The Council votes and rotates

Chief Chairman in office: Jiang Peng
 Vice Chairman: Lin Binhua, Liu Feng, Wang Zhen
 Reputation Department: Ma Haisong
 General Secretariat: Wu Hao and Jiang Xue
 Public relations department: Song Jianhong Avalon

Resume of key personnel:

Jiang Peng

Set up personal website in 2001 and won the top ten excellent websites in Hunan Province
 China Internet Conference Consultant
 CEO of Canada pard management consulting company
 Chaindao.ca initiator of blockchain application and technology media
 Fengtou.ca, co founder of the equity investment and financing information platform of Canada

Lin bin Hua

External lecturer, Academy of fine arts, Tsinghua University, vice president of China Entertainment Digital Creative Industry Research Institute



Expert member of online game expert committee of China Information Industry Chamber of Commerce

Business tutor of Hangzhou miyu Game Factory

Liu Feng

Professor of enterprise, Binjiang college, Nanjing University of Information Engineering

Innovation and entrepreneurship tutor of Shanghai University of international business and Economics

Member of the blockchain Professional Committee of China automation society, chief information officer of Wuxi superior advanced technology Co., Ltd. and director of advanced technology research center. Former senior consultant of IBM Global business services. More than 10 years of R & D experience, with 10 blockchain patents, cognitive related patents, utility model patents and software copyright. Research and release the core papers, dozens of application-oriented papers. The main research and development direction is in cognitive science, operational research, blockchain, big data, artificial intelligence, brain computer computing and other fields. Part time editors of artificial intelligence and robotics research, finance, software engineering and application (RCCSE International Chinese core academic journal), and invited reviewers of modern management (RCCSE International Chinese core open source academic journal).

Communist military guerrilla leader and political commissar

Young new media artist, pioneer of global virtual theme park. It is proposed to inherit and promote the excellent Chinese culture through the integration of art and science and technology, and explore its various possibilities for future cities and lifestyle changes. Self-compiled and self-directed animation short film "the old man" won the monkey award of 2008 China International Animation Festival.

Participated in and completed large-scale new media art exhibition projects such as the "big scroll" of 2008 Beijing Olympic Games, the "Qingming Riverside map" of 2011 Shanghai World Expo, and led the development of the first domestic scenic spot virtual night tour project - "Guilin Xiangbi mountain large night tour" in 2013. At present, it is promoting the construction and promotion of night virtual main park in Beijing, Suzhou, Wuxi, Yunnan and other cities.

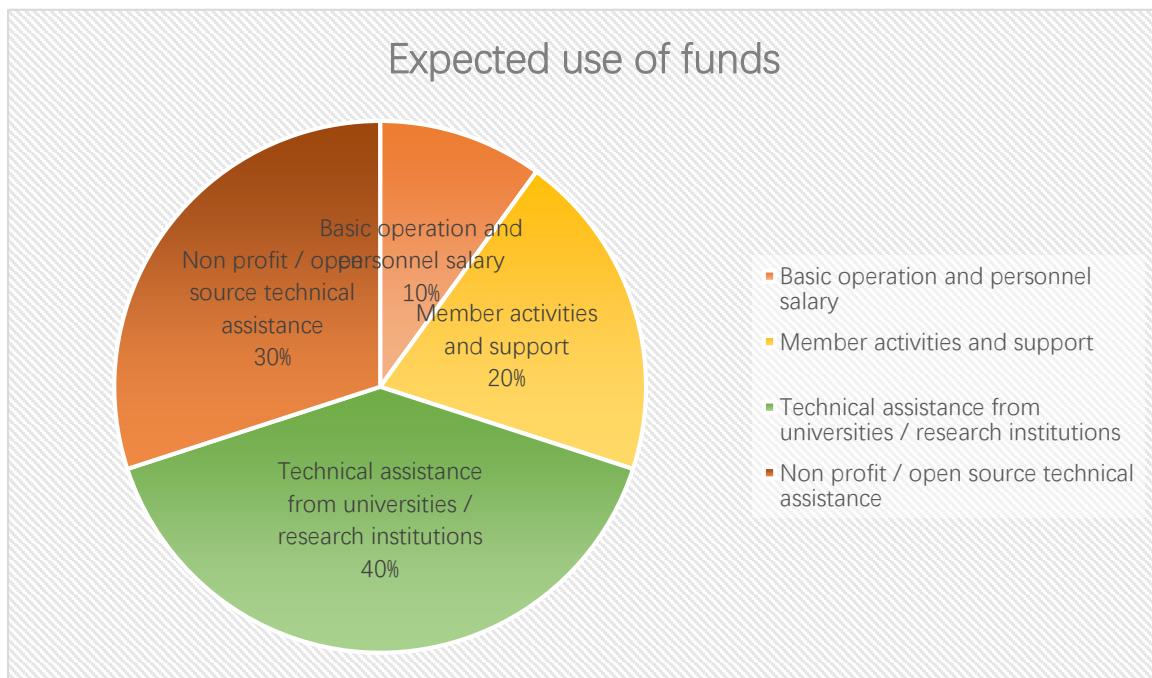
B. Timeline



*Due to the difficulty in the development of social experimental products, in order to reduce costs and improve the success, the ecosystem system has its own development plan. After the specific implementation of ATRA foundation, each module is developed. The current progress is not reflected in the white paper (some functions in the early stage will be displayed on the official website in a static form)

C. Financial management

The annual financial statements of the foundation are open to the public after being submitted to the federal tax office, and members have the right to question them



Source of funds:

It is estimated that the sources of funds are as follows
individual member

Corporate Membership

Corporate / personal sponsorship

Commission and share of Technology / Project commercialization

IV. Exemption clause

The foundation serves its members and provides a platform for communication and growth. It only organizes or participates in activities for technical research and academic exchanges in related fields. The foundation only records projects and talent publicity rather than commercial promotion, does not endorse any commercial projects (including members and non-members), and does not lead any commercial projects.