Esteemed OSI Board and Staff,

Open Research Institute applies for Affiliate Membership in the Open Source Initiative.

We are a non-profit research and development organization which provides all of our work to the general public under the principles of Open Source and Open Access to Research. We spun off of another non-profit space organization:

• To address an issue of harassment of a female researcher (who became our chief scientist) by the organization’s leadership.
• To pursue Open Source development using a strategy to avoid regulation under ITAR and EAR which actually depends on all of our work being open.
• To provide a home for various projects and their developers who were not comfortable or supported in other organizations.

We are still in the process of getting our 501(c)3, using Foundation Group as professional filer. We already have a California Charitable Registration which you can see here:

http://rct.doj.ca.gov/Verification/Web/Search.aspx?facility=Y

Type "Open Research Institute" into the organization name field. If you click on "Founding Documents", it will show the state registration, bylaws, and IRS EIN.

Most of us are Radio Amateurs and a lot of the work is relevant to ham radio, but has many applications in telecommunications. Ham radio was the first worldwide hacker collaboration, operating the first worldwide wireless network that connected individuals rather than companies, freely sharing technology development, and supporting the individual as innovator from about 1910 on. We carry on that tradition.

Our main direction is to take technology developments that are in danger of becoming proprietary, and make Open implementations. Among our projects are:

• **Phase 4 Ground Station**: A satellite ground-station (and potentially the flying hardware) based upon DVB-S2X, but mainly for other modes than television.
• **Orbiting HF Radio Observatory**: A cubesat carrying software-defined radio, which will receive a broad block of frequencies and can collect data on lightning, aurorae, and other natural phenomena which produce radio emissions, the ionosphere and propagation of man-made radio signals out of the atmosphere, and any other experiment that can be carried out with an orbiting receiver for those frequencies. This is carried out in collaboration with Hamsci and TAPR.
• **Open Cars**, the idea that automobiles should contain standard interfaces to support the aftermarket purchase of autonomous driving systems and telematics, rather than having all of that locked down by the automobile manufacturer. This would potentially reduce prices and allow the common person, rather than only the wealthy, to make use of autonomous driving. This research has resulted in a paper in the Berkeley Technology Law Journal.
• **We support the development of Codec2** and do much of its evangelism in the United States.

Our Developer and Participant Policies include a code of conduct derived from one published on the Geek Feminism Wiki.

All other relevant information about the organization can be found at OpenResearch.Institute.

We wish to be an affiliate member of the Open Source Initiative because Open is all we are. We hope to be an exemplar to other organizations that pursue this path, and we wish to support and participate in OSI’s mission.