

Open Innovations Framework for Partnering Industrial and Academic R&D

Finnish-Russian University Cooperation in Telecommunications



Background and Motivation



- Have to deal with shortening of Innovation Cycle
- Competition challenges from America and Asia
- It is important to improve networking with Russia
- Joint innovation potential increases competitiveness
- Need for playground framework → FRUCT



Open Innovations Framework FRUCT



Create community of students, academic and industrial experts

Identify niches of world-class R&D & incubate competences

Give students chance to realize scientific and R&D ambitions

Develop strategic partnership between industry and universities

Support of education and science by socially responsible business

Promote idea of open innovations and Europe without borders

FRUCT Activities (1/2)



Renewal in Education

- ✓ Creating new courses and MSc and BSc programs
- ✓ Advanced training of students in R&D projects
- ✓ Invited lectures given by top industrial experts

Best Practices

- ✓ Support of exchange courses and lectures
- ✓ Support of students exchange programs
- ✓ Involvement to industrial internship programs

Technical Trainings

- ✓ Series of trainings that can be delivered to any place in FRUCT countries
- ✓ Training materials are available online at FRUCT web (e.g. lecture slides)

FRUCT Activities (2/2)



Incubation of Young Professionals

- ✓ FRUCT conferences
- ✓ Organization and partnering with best summer/winter schools
- ✓ Agreements with top conferences / journals
- ✓ Top students can get Nokia support, e.g. publication and travel grants
- ✓ Trainings on scientific writing, legal issues, management, etc.

Support of Professional ICT Communities

- ✓ Creating and maintaining network infrastructure
- ✓ Organize contests, conferences, seminars, workshops, etc.
- ✓ Building professional social network, help finding post-doc and job opportunities

Consortia for Publicly Funded Projects in ICT

- ✓ Finding right partners, building trust and culture of preparing applications



Main Principles



**Focus on Russia
and Baltic Region**

**Informal and Open
Community of Practice**

**Participants from
other regions are
welcome**

**Building cooperation
through student-
driven projects**

**Regular
conferences
and events**



**No formal
agreements**

**No fees for
academic
members**

**Face-to-face
meetings and
networking**

**Knowledge exchange and
competence development**

Calendar of the Main Activities in 2H10



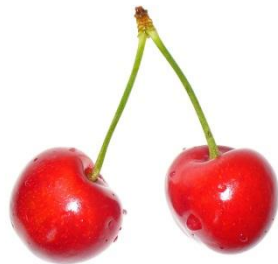
Event name	Dates	Deadline	Comments
SibirCon 2010	11-15.07.10	01.03.10	3 registrations
MeeGo summer school N.Novgorod	19-30.07.10	15.07.10	free of charge
Qt training in India	02-06.08.10	01.07.10	free, invitation based
ruSMART 2010	23-24.08.10	25.03.10	4 registrations
New2AN 2010	23-25.08.10	25.03.10	4 registrations
AIS/CAD 2010, FRUCT-South	02-10.09.10	10.04.10	10 packages
Application Developer Days	23-24.09.10	09.08.10	2 registrations
CEE SECR 2010	13-15.10.10	28.06.10	1 registration
ICUMT 2010	18-20.10.10	22.06.10	4 registrations
UbiComm 2010	25-30.10.10	10.05.10	4 registrations
8th FRUCT	09-12.11.10	27.09.10	free of charge
VII Mobile VAS Conference	18-19.11.10	15.10.10	entrance to contest
BCFIC 2011	16-18.02.11	11.10.10	4 registrations
3rd Russian MeeGo conference	23-25.02.11	24.01.11	free of charge
9th FRUCT	26-29.04.11	25.02.11	free of charge

Membership



ASSOCIATE MEMBERS

- Invited to all FRUCT trainings, conferences and projects
- Can follow program progress
- Expert comments & reviews
- Free packages and discounts to the partner events



FULL MEMBERS

- Run R&D projects and other competence building activities
- Access to all benefits, i.e. travel grants, donations, stipendiums, devices, books, consulting, etc.
- Act as active conference organizers and key contributors



FRUCT Web Resources



Educational and Networking Functions



www.fruct.org
fruct.org/forum
mbr.fruct.org
trainings.fruct.org

Support of Professional Communities

meego.fruct.org
mhealth.fruct.org
wiki.fruct.org

R&D Cooperation Infrastructure

osll.fruct.org
oss.fruct.org
wl.fruct.org

FRUCT in a Nutshell



The largest Open Innovations Framework program in Russia and Baltic Region

- Member teams from 20 universities and R&D center of RAS
- Supported by **Nokia, Nokia Siemens Networks** and **Symbian**
- Member teams are based in Russia, Finland, Denmark and Ukraine



Mission - development of the regional R&D ecosystem around modern ICT and mobile technologies

- Focus on competence renewal and solving brain-drain problem



Members primary benefit by getting new competences and expanding professional network

- FRUCT is sandbox for piloting cooperation and starting new activities
- New opportunities for professional growth and business

Contact Information



www.fruct.org

info@fruct.org

You are welcome to subscribe to FRUCT news mailing list
Lets make together FRUCT be fruitful cooperation framework!

Benefits for Member Organizations (1/2)



FRUCT provides framework to find right partners for cooperation, building trust and setting direct contacts between experts



FRUCT helps universities to identify and develop niches for long-term R&D cooperation



FRUCT helps universities to proactively incubate new competences that will be demanded by the industry

Benefits for Member Organizations (2/2)



Industrial partnering → strong brand, interesting and challenging tasks and additional resources → attract best students and keep them at university



It is beneficial for all parties when universities are stronger involved in long-term, high risks research with guidance and consulting from industry



Mutual openness of academic and industrial research, joint activities and publications will benefit all involved parties

Benefits for Students (1/2)



Individual studies within FRUCT projects are supported by donations of books, equipment, access to scientific databases and libraries, etc.



FRUCT students can use FRUCT packages and authors of selected papers can apply for travel grants (*currently is only for students in Russia*)



Students can implement professional ambitions by joining existing FRUCT teams and organizing new projects

Benefits for Students (2/2)



FRUCT has agreements with high class seminars and conferences, where FRUCT members get free sits, special discounts and other benefits



FRUCT projects can publish articles and other materials via internal publishing infrastructure

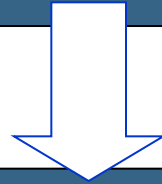


Students can ask academic and industrial FRUCT experts for feedback, advices and review of the project work and related study reports, e.g. MSc

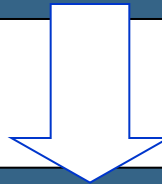
How Academic Team Can Get FRUCT Invitation?



1. Select existing or propose new research topic/project for cooperation



2. Prepare the overview presentation about your team and institution



3. Appoint contact person and request FRUCT invitation by email

How Academic Team Can Get Invitation (1/3)



1. Select existing or propose new research topic/project for cooperation

- If team wants to join existing project it first shall define R&D niche where it will contribute
- When proposing new activity the team shall define project plan, specify the existing and missing competences, expected timeline, deliverables and what else is needed for the project
- The list of existing projects and form for new project proposal at www.fruct.org/projects

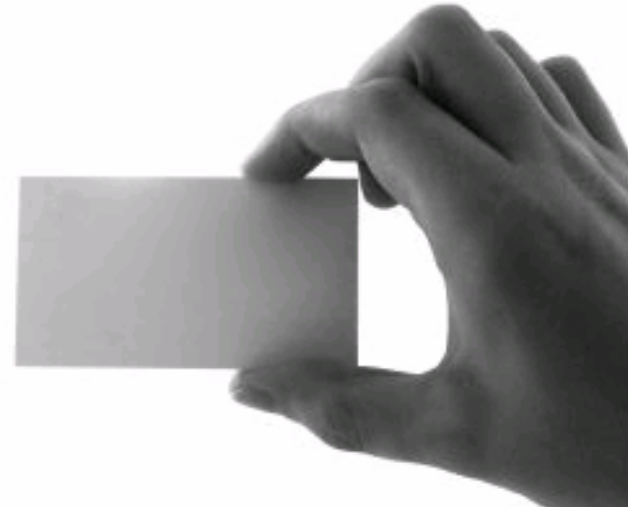


How Academic Team Can Get Invitation (2/3)



2. Prepare the overview presentation about your team and institution

- The presentation shall contain 1-2 slides on:
 - General facts about the team and its organization
 - Overview of the cooperation experience and best practices from the past
 - Competences and resources (people, place, equipment, etc.) is ready to use in FRUCT projects currently and in future
 - Overview of the ongoing and recently completed R&D projects



How Academic Team Can Get Invitation (3/3)



3. Appoint contact person and request FRUCT invitation by email

- Membership request sent to info@fruct.org, shall contain:
 - Where you get info about FRUCT, why want to join?
 - Name, position and email of your contact person
 - Optionally you can propose a representative to FRUCT Advisory Board (send candidate's name, title, email and list of expertise)
- In case of questions do not hesitate to ask for help



From Idea to FRUCT Project



Industrial Expert, Professor or Student

If professor / academic expert initiates new project → he or she shall become the team supervisor

If project proposal comes from the industrial expert → he or she becomes the tutor

Member students with new ideas can ask for evaluation of the proposal and help in finding supervisor and tutor

Project Proposal

The project idea should be formulated in the form of project proposal, see more at <http://fruct.org/projects>

The proposal shall be sent to info@fruct.org

All projects are reviewed by FRUCT experts and after a few review rounds it will be registered at fruct.org

FRUCT project

The team shall maintain and update project page
Progress shall be reported at FRUCT conferences

The project teams can ask FRUCT for support:

- Trainings, professional mentoring and reviews
- Donations of equipment, books, subscriptions, etc.
- Grants, contest, etc.

Organization of Project Work



Deliverables

The project plan shall contain list of milestones and deliverables

Expected main project deliverable is a paper

Depending on the project scope other deliverables possible and appreciated

Sharing of Results

Yearly FRUCT organize two educational & info sharing conferences - spring in Russia, autumn in Finland

FRUCT conference is a place to present project progress and results

The team can publish long abstract (0.5-2 pages) and full paper (4-12 pages)

Review done by academic and industrial experts

Publications

Based on internal publication FRUCT board recommends papers for publication on partner conferences and journals

The selected papers get priority free registrations

First author of the selected papers can apply for travel grants provided by Nokia & Nokia Siemens Networks

More information about project work principles is available at www.fruct.org/projects

Additional Support Provided to FRUCT Projects



FRUCT projects can request help finding new project members and tutor, when some new competences or expert knowledge is needed



Project team can ask FRUCT to find supervisor and tutor for the new project



FRUCT can help students to find reviewers and opponent for MSc and PhD theses done on top of FRUCT projects



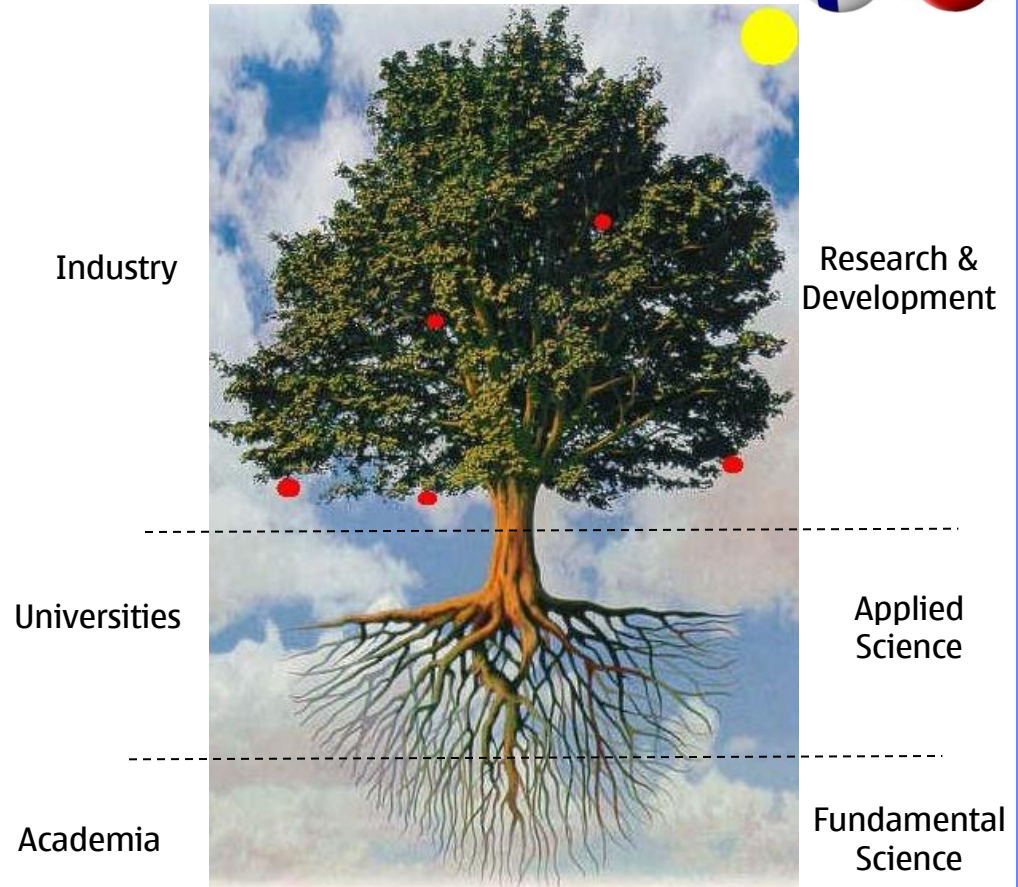
**FRUCT program is
an incubator of
new competences**

Historical Roots of FRUCT Name



1. Simple explanation – is an acronym for Finnish-Russian University Cooperation in Telecommunications (FRUCT)

2. Practical KHOW-HOWs are the fruits (Lat.: fructus, Rus.: fruct) of the knowledge-tree



Discussion, Questions and Answers, FAQ (1/4)



- Could one see FRUCT as a form of industrial subcontracting?
 - **NO!** FRUCT is about partnering! Involved parties benefit from new competences, visibility and ability to tune research towards actual industrial needs. Companies give access to the unique knowledge and competences + when needed support in form of different donations (books, devices, etc.) and grants

Discussion, Questions and Answers, FAQ (2/4)



- What is the ownership status of FRUCT project deliverables?
 - All FRUCT results are **PUBLIC DOMAIN** and the author rights are shared between all project contributors

Discussion, Questions and Answers, FAQ (3/4)



- What if there is clear commercial future of FRUCT project?
 - Then it is the **FRUCT GRADUATE**, as mission of making bridge between corresponding teams and project incubation is completed. Graduates shall mention FRUCT roots in later publications and welcome to present progress at seminars

Discussion, Questions and Answers, FAQ (4/4)



- Why Nokia and NSN support FRUCT?
 - It is duty of socially responsible company and part of world donations program targeted in expressing good corporate citizen altitude, community responsibility and support of academic research; it also helps implementing principles of open innovation and networking academy and industry



THANK YOU!

www.fruct.org

