

Students for future mobility

SFFM - A Podcar City Program



The Podcar City is a membership organization, creating an industry program for encouraging creation of Intellectual property and real world implementations for innovative transportation mobility technology. The work is done in collaboration with academics, innovators, policy makers and students. The SFFM is based on previous work done in Sweden and USA since 2007. The focus is to propagate knowledge to a broader audience and make a basis for a public mass transportation system using minimal earth resources and renewable energy in a context of workforce creation and skill - In short *Mobility for all*.

The main output of the ATC are real world implementations of profitable mobility systems coupled with innovations containing high value of Intellectual property. The existing technology member sponsors have the option of profiting from the development work by any student team and their findings. The PCC collaborates only with member communities, academics and associated organizations. All information is available at www.Podcarcity.org

For the February 2026 PCC conference - A challenge!

PCC offers any student and young person the opportunity to suggest an idea according to the PCC development & research framework. PCC tech board will review proposals no later than February 1 2026 and PCC will offer financial aid up to ten ideas. Currently (August 2025) the total sum of support is:

\$10,000

For latest on SFFM, updates see <https://temp.greatgraphics.se/podcarcity/news/>



We support to the student teams mentoring and support on:

Urban Design, Engineering and Development

We find a suitable area for the student teams

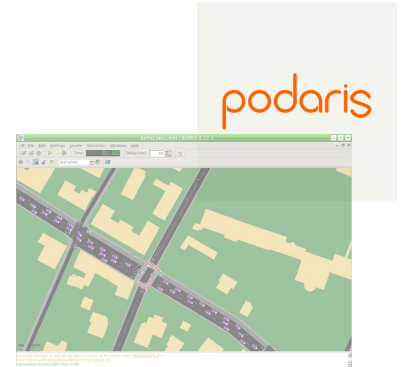
The area is selected with the student team and the city. The area will be one or more focused areas such as a transit hub, a station or other specific place needed to visualize.



We help software for simulations

With support from professional software technologies we have a comprehensive basis for finding new implementations by the students.. To the right, Podaris and SUMO software.

The area selected is used for the simulation of a new innovation with data based on urban ridership use and modes of transportation.



- **To select teams we provide a 4D model** for visual dialog and inspire them on current innovation ideas. We do the work for you and then you add the needs for simulations and images for stakeholder outreach. The partner 4Dialog is responsible for this part of the project for all teams.



- **Training and support** Foto: [Davit Saroyan](#)

The SFFM mentors are available for seminars, examples and support. You have specialists at hand on urban transit solutions with long experience for your help with Architecture, urban planning, mobility, energy / Solar and much more. You also have a considerable amount of expertise in the business community who support and guide you to ensure your team's success.



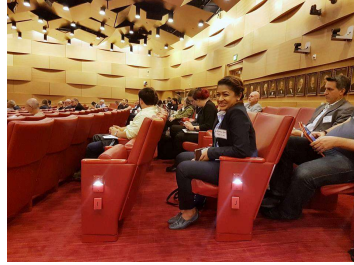
- **Final delivery to the City and stakeholders**



We help with doing final presentations for the City and local stakeholders. We review your work and make sure you have a good package for all presentations. The SFFM mentors have good resources and experience in the political arena and the civil servants in urban development, infrastructure and daily life in the city.

The 2019 Team won \$1000 for their study

Some Previous teams



The previous teams above started from 2017 until 2021 when we decided to incorporate the idea as a part of the SFFM organizations. From left to right the Southern Illinois University (for Ithaca NY), the Perth harbor study by Ms Arnafara Najnin, and the San Jose State University team.

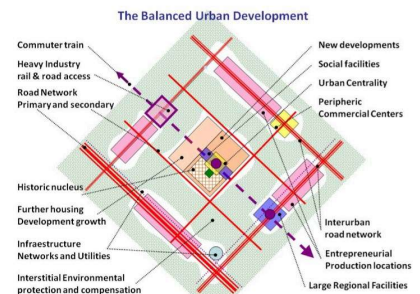
Example of topics we are looking for and the prizes and special funds

Each category below has three levels - Professional, Undergraduate and Master level prizes. The judges have a total prize sum of up to €2,000 of their discretion to decide how to distribute the winners. All prizes are after taxes, if applicable. There are expected to be 10 teams or more each year.

We also offer special funding for teams, specially in mechanical and engineering fields, who need hardware to use. We assist in finding sponsors for material needed as much as we can.

Urban planning *Image: Balanced Urban Development Unit by Pedro Ortiz Castano*

Here we look for your best ideas and presentations on implementing a better shared mobility in your city. We expect to evaluate ridership data, placing on station and intermodal hubs, interacting with micro mobility and walking, how the proposal can make better equity and gender equality, promoting green corridors, considerable conservation of human, energy and earth resources, a safe and enjoyable travel experience.



Social impact and value in Infrastructure *Image: Introducing Youth to Infrastructure yiai+*

A major part of a best use of a technology is to ensure it is beneficial to all stakeholders. It must be attractive and useful for all - regarding social



background, age, physical abilities and financial possibilities. This category benefits from GIS data, something most cities are able to provide to your team. Visuals and statistics are encouraged.

Behavioral travel and other human factors

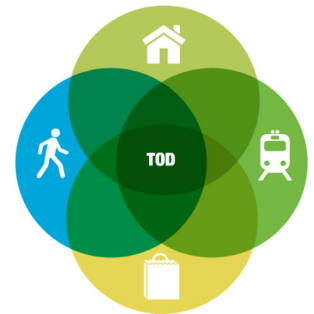
Link: <https://www.uia-initiative.eu/en/understanding-mobility-behaviour>. Image: Civitas

Why, where and how do we travel? What choices are we making? The psychology of mobility is a major field to address. Could we learn from what might be a new mode of transportation and how do people react? In conjunction with understanding of existing modes - what is it that is why we resort to private cars even if there is a lower cost and a faster trip, even very stressful?



Financing and Real Estate *Logo: <https://clearcreektransitvillage.com/>*

Regardless of innovation and new mobility ideas, everything must be paid for.. We research options for planning, implementation and operations of systems. Real estate and land use is a critical part of financing - transit oriented development (TOD) has shown strong results and interesting implementations. A new technology is always a risk. Therefore risk mitigation is a considerable research topic in a financing plan and we are looking into the mix of real estate, financing and risk mitigation. Tax issues and farebox considerations are also a part of financing studies.



Environmental studies *Image: University of Aveiro: Master in Environmental Studies*

The transition of shared mass mobility from private to public transit has a considerable impact on human and earth resources. We need less materials to produce vehicles, less fossil fuels, electric motors and electric batteries. At the same time we need to aim to improve mobility for better safety, urban living, social benefits and best use of materials, existing and new. This also needs to be quantified - how many less mines, steel & concrete production facilities do we need? How do we implement new ideas of mobility in the changed world of environmental changes?



Special topic - Mechanic and electronic engineering *Photo: San Jose State University SMSSV program*

Here we look for your best ideas and presentations on implementing innovation in mobility . We imagine being able to handle mass mobility in a large city and regional area, ensure availability for all, cost efficiency



implementation, direct origin and destination, and connect to regional and local transit hubs. In here we also include Industrial Design/Car Design/Product Design/Mobility Design/User Experience.

This category is possibly eligible for external direct funding and sponsorship support from the PCC program for the team for having access to hardware needed.

What is the benefit for the students and stakeholders?

We provide real projects with real benefits for all stakeholders. In the past we have seen several of the projects turn into employment opportunities and even new business cases. The SFFM support team is always behind the students to support you after the project is finished and any opportunity is communicated to you.

SPONSORS AND MENTORS



A major part of the Students for Future Mobility are the Podcar City Members and the sponsors. A few of all the people below that have been involved in previous student projects:

Ron Swenson, International Institute of Transportation, USA
Prof. Dr. Burford Furman, San Jose State University, USA
Peter Muller, PRT Consulting USA
Christer Lindstrom, 4Dialog Sweden
Kjell Dahlstrom, Former Secretary Green Party Sweden, Director of SIKA
Magnus Hunhammar, ISTCAB Sweden
Marcus Svensson, CEO Byggvesta Sweden
Prof. Dr. Steven Jones, Alabama Transportation Institute, USA
Prof. Dr. Alain Kornhauser, Princeton University, USA
Gerald McDowell, Executive Director AACIDS Atlanta
Douglas Kamoga, CEO Kamlasmwm Kampala
Jennifer Rodrigo, Journalist Malaysia
Rosdayana Rosti, Mageagle Studios, Malaysia

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