Eric Rosenfeld
Student, Mechanical Engineering
San Jose State University

- **Research interests**
  - Solar Powered Transportation
  - Sustainable Energy Storage

- **Recent publications**
The Spartan Superway International Research Internship Program offers diverse ideas and innovative collaboration.

Eric Rosenfeld
The Spartan Superway utilizes groundbreaking ideas and assistance from professionals around the world.

Eric Rosenfeld
In September, I had the opportunity to present my work at Podcar City 10 in Antwerp, Belgium.

There are four main parameters to energy consumption:

- **Deceleration losses**
  \[ E(t_v) = \frac{1}{\eta} \left\{ (1 - R) n_v \frac{M_v V_I^2}{2} + \frac{1}{2} \rho C_D A v \left[ (V_I^2 + (V_I^2)) D_t - \frac{V_I^4}{2 a_m} \right] + n_r M_v \left[ C_1 D_t + C_2 V_t (D_t - \frac{V_I^2}{3 a_m}) + g c \right] \right\} + n_f P_{aux} t_s \]

- **Rolling resistance**
- **Air resistance**
- **Auxiliary power**
The Spartan Superway improves the technical and professional engineering skills of students.
There are several ways for you to get involved

Spartan Superway Summer Internship Program
There are several ways for you to get involved

URBAN INTERNATIONAL DESIGN CONTEST

Best practices for Automated Public Transit

The rapid development of autonomous vehicles for private and public transportation creates a completely new playground for urban development.

The UIDC series of workshops will combine the know-how and creativity of academics and students, city planners, transportation specialists, and developers to create and propose new urban designs, incorporating the new possibilities that can be achieved with elevated and road-based autonomous vehicles.
There are several ways for you to get involved

**URBAN INTERNATIONAL DESIGN CONTEST**

- **Local Government**
- **Local University**
- **Local Industry**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Winter &amp; Spring 2017</td>
<td>Build your local team</td>
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<tr>
<td>Summer 2017</td>
<td>Design internships in Silicon Valley</td>
</tr>
<tr>
<td>September &amp; October 2017</td>
<td>Local design workshops (charrettes)</td>
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<tr>
<td>November 2017</td>
<td>Compete at Podcar City 11</td>
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</tbody>
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2016-11-17

**Best practices for Automated Public Transit**
There are several ways for you to get involved

Come to Podcar City 11 next November
There are several ways for you to get involved

Develop a solar podcar network in your city
And a special thanks to all of our collaborators and sponsors
Questions and Answers

Buff Furman
SJSU Spartan
Superway
Overview & Mechatronics

Ron Swenson
INIST
Solar Energy

Shannon
McDonald
Southern Illinois Univ
Architecture

Eric Hagstrom
SJSU Spartan
Superway
ME Instructor

Eric Rosenfeld
SJSU Spartan
Superway
ME Student

References
www.solarskyways.com/events/T3e