Robust Autonomic Systems Group

The robust autonomic systems group examines techniques useful for constructing scalable, high-performance, autonomic, and secure online systems.

Current projects

- **Fern**: Scalable and timely dissemination of authorization information suitable for untrusted P2P
- **WRife**: An epidemic protocol for data collection in medical contexts with strong privacy properties.
- **VPAF**: A flexible framework for validating and monitoring prolonged authorization relationships.
- **Doubt**: Trust management in a context where we really don’t trust anybody completely.
- **Puente-C**: Synthesizing protocol engines from validatable specifications.
- **Toothless**: Self-(re)configuring, highly available, and fault-tolerant infrastructure-level cache.
- **ReCoN**: The reconfigurable networks lab.
- **Video Transmission Precis**
- **Android Development**: Information, examples and ideas for Android Development (from kernel to applications).
- **Garbage Collector**: Information, terminologies and ideas for Garbage Collector.

Our group is also responsible for **ReCoN**, the Reconfigurable Networking Lab. Its **Labyrinth** effort uses virtualization to enable network courses to simulate many networked systems within a single workstation.

Faculty

<table>
<thead>
<tr>
<th>Computer Science</th>
<th>Electrical Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric Freudenthal</td>
<td>Virgilio Gonzalez</td>
</tr>
<tr>
<td>Luc Longpré</td>
<td></td>
</tr>
</tbody>
</table>

Current Graduate Students

- Thomas Mikelson
- Ali Jalal-Kamali
- Manuel Corona

Former Students

<table>
<thead>
<tr>
<th>Somdev Chatterjee (web) (MS 2011)</th>
<th>Bivas Das (web) (MS 2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avranil Tah (MS 2010)</td>
<td>Brian Carter (BS 2008)</td>
</tr>
<tr>
<td>Sal Licon (MS 2007)</td>
<td>Vitus Lorenz-Meyer (MS 2007)</td>
</tr>
<tr>
<td>Ryan Spring (T.U. Dresden)</td>
<td>Christian Servin (MS 2009)</td>
</tr>
<tr>
<td>Pietro Niccoli</td>
<td></td>
</tr>
</tbody>
</table>

Location

Computer Science Building - Room 320
University of Texas at El Paso
El Paso, TX 79968

To learn more about Robust

Send email to Eric Freudenthal

Robust Group (11/23/2009)