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

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<tr>
<th>Computer Science</th>
<th>Electrical Engineering</th>
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<tr>
<td>Eric Freudenthal</td>
<td>Virgilio Gonzalez</td>
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<td>Luc Longpré</td>
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Current Graduate Students

- Thomas Mikelson
- Ali Jalal-Kamali
- Manuel Corona

Former Students

- **Somdev Chatterjee (web) (MS 2011)** | **Bivas Das (web) (MS 2011)**
- **Avranil Tah (MS 2010)**               | **Brian Carter (BS 2008)**
- **Arthur Walton (BS 2009)**             | **Samson Dev (MS 2008)**
- **Sal Licon (MS 2007)**                | **Vitus Lorenz-Meyer (MS 2007)**
- **Ryan Spring (T.U. Dresden)**         | **Christian Servin (MS 2009)**
- Pietro Niccoli

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