Home Assurance

Reducing the stress of informal caregivers.

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Global Research Staff
• 2,100 worldwide (750+ Ph.D.s)
• 12% of GE’s R&D staff
• 30% of GE’s patent

Technical Disciplines
Chemistry 18%
Mechanical 17%
Physics 9%
Electrical 18%
Computer Science 17%
Other 21%

Global Research Organization
A diversified technology, manufacturing and services company with a commitment to achieving world leadership in each of its key businesses

- Aircraft Engines
- Commercial Finance
- Consumer Finance
- Consumer Products
- Equipment Management
- Industrial Systems
- Insurance
- Medical Systems
- Plastics
- Power Systems
- Specialty Materials
- Transportation Systems
- NBC
RM&D Heritage

GE Global Research

- Expert Tools
  - Bayesian Belief Networks
  - Learning/Case Based Reasoning Tools
  - Rules Based Systems
  - Alerting

GE Company

- GE Company RM&D
  - Over 50 RM&D related patents
  - Over 25,000 Assets Under RM&D Worldwide
  - Developing RM&D Technologies For Nearly 20 Years

Power Systems
  - Atlanta, GA

Medical Systems
  - Milwaukee, WI
  - Paris
  - Tokyo

Industrial Systems
  - Salem, VA

Aircraft Engines
  - Cincinnati, OH

Transportation Systems
  - Erie, PA

GE RM&D Leveraging Total GE Diagnostics Technology Experience and Over $100MM of Investments to Date.
Simple As ABC. Reliable As GE.

All of the advanced electronics in your home will work in concert with one solution that's easy to use — and very easy to appreciate. And it never goes out of date because it's ready for any technology the future may bring.

It's brought to you by the company you've always depended on for the finest products. The name GE is your assurance of quality and reliability.

Now is the time to wire your home for today and tomorrow. Enhance your home and lifestyle with the electronic sophistication of ConnectionCenter. You'll be connected to the Digital Age. And you won't want to keep up with the Joneses. Because the Joneses are probably connected to the Stone Age.

Security & Life Safety

- Security: Residential & Commercial
- Access Control
- CCTV
- Fire Detection
- Residential & Commercial
- Home Automation
temperature, energy, lighting AND complete automation integration
- Connection Center
Home control network
- Alarm.com (collaboration)
- Caregard
Personal Emergency Response

Bringing all the smart home functions under one brand
Security & Caregard

<video>
Remote monitoring caregiver
- motion, doors, kitchen
- web interface

Interlogix wireless security
- Wireless sensors and communications
- Cost-effective
- Easy to install
- Tested and accepted
Wireless System

Motion

Usage
Web Interface
AD Caregiver Study

- 20 early Alzheimer’s or dementia
- Living alone in their homes
- Informal caregivers
- Caregiver satisfaction & geriatric depression

Currently Enrolling and Installing
Caregivers of elderly who live alone

Model: paid for by adult children

Residents have given positive response

– nothing extra to do
– no video or audio
– they hand out password to site
Other research areas

- Detecting behaviors and trends
- Cost-effective multi-person monitoring
- Higher granularity activity monitoring
- Effective medication compliance
- Kitchen accident prevention