Service Research & Innovation Institute
SRII

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President & CEO
SRII
www.thesrii.org
New 21st Century Contexts

- Service economy
- Digital Economy
- Global Economy
- Era of Open Innovation
Service Industry Growth

- Labor Intensive
- Capital Intensive
- Technology Intensive
- Knowledge Intensive
Digital Economy

Graph showing the share in employment and/or gross national product over the years from 1800 to 2000. The graph indicates a decline in agriculture, an increase in manufacturing, a rise in services, and an emergence of an information-based economy.

SRII
Service Research and Innovation Institute
SRII Mission

“Innovating Digital Economy for a better World”
SRII Organization

- SRII members include key leaders from industry, academia, research, startups and government organizations from around the world
SRII focus on “Services”

- Deeper understanding of “Global Service Economy”
- Driving Innovation for “IT as Service”
Understanding “Needs” of Service Economy

- Health Care
- Education
- Government
- Finance
- Manufacturing
- Retail
- Telecom
- Agriculture & Food Services
- Transportation
Digital Innovation for major sectors of Global Economy
Innovation Accelerators/New Economy Paradigm
SRII Strategy

- SRII Global Conference & Regional Summits
- SRII Global Chapters
- SRII Focus Groups
- SRII Consulting Services
SRII Global Chapters

- Silicon Valley: Global HQ/Conference
- India
- Japan
- Europe
- China
- Asia
- Latin America & Caribbean
SRII Key Focus Groups

- Innovating Healthcare
- Innovating Internet IoT
- Innovating API Economy
- Innovating Digital Manufacturing/Industry 4.0
- Innovating Smart City
- Innovating M-Commerce/Supply Chain
- Innovating Agriculture & Food Services
- Innovating Education & Entrepreneurship
SRII focus on Health Care

DATA

- HHS - via supply of a comprehensive HHS Community Health Data Set (national, state, regional, and county-level measures of health performance and determinants of health), delivered free of charge.
- State and local governments
- Private sector data suppliers
- Others?

Feedback on data (types of data required, frequency of release, etc.)
Services for Connected Health

Health and Wellness
- **Weight**
- **Fitness**
- **Personal Health Records**
- **Appointment scheduling**
- ......

Disease Management
- **Remote patient monitoring**
- **Medication reminders**
- **Trend analysis and alerts**
- **Appointment scheduling**
- ......

Aging Independently
- **Family connection**
- **Basic life monitoring**
- **Medication reminders**
- **Trend analysis and alerts**
- **Appointment scheduling**
- ......

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**Notes**

- **Services for Connected Health**
- **Health and Wellness**
  - **Weight**
  - **Fitness**
  - **Personal Health Records**
  - **Appointment scheduling**
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- **Disease Management**
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  - ......

**Smart Living Clouds**

- **Home Care Services**
- **Virtual Clinic Service**
- **Community Hospital Service**
- **Transportation Service**
- **Remote Citizen Call Center**
- **Elder Emergency Service**
- **Home Care nurse**
- **Labs**
- **Personal Health Record**

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**Institute**

Service Research and Innovation Institute
SRII focus group on Agriculture & Food Safety

- Low impact on environment and biodiversity using less chemicals
- Efficient production with less use of energy
- Robustness against climatic change
- Quality and safe food

Multiplatform IOT and models

Big data based services for from-farm-to-fork

- Low impact on environment and biodiversity using less chemicals
- Efficient production with less use of energy
- Robustness against climatic change
- Quality and safe food
### SRII Big Data & Advanced Analytics SIG

#### Focus Areas and Themes

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<thead>
<tr>
<th>Area</th>
<th>Topics</th>
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<tbody>
<tr>
<td><strong>Big Data And Advanced Analytics Concepts</strong></td>
<td>• What is ‘Big Data’ / Advanced Analytics and why should we care</td>
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<td>• Structured vs. unstructured; SQL vs. NoSQL: What does it all mean?</td>
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<td>• Need for scale: machine learning and ‘Big Data’ / Advanced Analytics</td>
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<td>• Big Data / Advanced Analytics and the ‘Democratization of Data’</td>
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<td><strong>The Big Data Ecosystem</strong></td>
<td>• Infrastructure: faster data access, streams, specialized hardware,…</td>
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<td>• Middleware: data-access, manipulation, mining, metadata tagging,…</td>
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<td>• End solutions: advanced analytics, automated interventions,…</td>
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<td>• The war for talent: seeking the elusive Data Scientist</td>
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<td><strong>Delivering Real Client Impact</strong></td>
<td>• From technology toolkits to solutions focused on solving end-customer business needs:</td>
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<td>how Big Data / Advanced Analytics has evolved</td>
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<td>• Real client case studies of the impact of these technologies</td>
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<td>• Protecting privacy, security, intellectual property in a Big Data world</td>
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Socio-Economic-Ecological Data Mining + Simulation

- Remote sensing
- Internet
- Satellites
- Telecommunications
- Prediction markets
- GPS
- Social networks
- Sensor networks
- Web2.0
- Second life
- Internet
- Science in the Petabyte Era
SRII focus on Innovating Education

- Realign University Curriculum
- Online Education—Life Long learning
- Teach Entrepreneurship
- Teachers training at K-12
Education & Entrepreneurship

MIT, Stanford, Berkeley, Illinois, Michigan, Many others.
Globally: Tsinghua IIT Cambridge, ETH, Many others.
SRII Major Deliverables

- Annual SRII Global Conference in Silicon Valley, CA
- SRII Regional Summits in India, China, Europe, Asia and Latin America
- Build SRII focus groups for major industry verticals and technology domains
- Build Industry/Academia/Government partnership to drive funded research programs for major sectors of economy
- Govt. policy/regulations for Digital Innovation
- SRII Consulting Services for organizations around the world