Summary

**Current Website** Expenses for our web site itsoc.org have been high. We spent $70k in 2018–19 on an incomplete upgrade, developer asked for $25k to $33k more. Continuing to put money into the current system Plone makes less and less sense.

**Proposal** The Online Committee proposes a major web site upgrade. The upgrade is “preserve and extend.” Most existing features and data will be moved to the new site. Much-needed features will be added (see next slide). Web platform will change from Plone to Drupal. New site will go live January 1, 2021.

**Costs** Competitive estimates were obtained from three developers. To implement the new site with all proposed features, we are requesting $78,000.
Planned Features for itsoc.org Upgrade

New features are listed on the right. Coordinated with FITS.

Three plans give the BoG some flexibility in deciding how much money to spend.

We recommend Plan 3.

Many more details are in “Proposal to Upgrade itsoc.org” on the BoG Meeting page.

<table>
<thead>
<tr>
<th>Plan</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan 1</td>
<td><strong>Migrate to Drupal.</strong> New website; existing data and features are migrated from existing site. General improvements, but no new features are added. Existing design is copied. Comparatively easy to add features in the future.</td>
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<tr>
<td>Plan 2</td>
<td><strong>New Look and New Features.</strong> Plan 1, plus:</td>
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<tr>
<td></td>
<td>• A fresh, new look for itsoc.org using modern design approaches.</td>
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<td></td>
<td>• A new section for videos, a library of both Society-produced videos and member-submitted videos. A new section for the Distinguished Lecturer Program.</td>
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<td></td>
<td>• Provide new member-only benefits such as video of seminars and talks, jobs mailing lists via IEEE membership authentication.</td>
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<td></td>
<td>• Improved announcements, email and social media integration.</td>
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<tr>
<td></td>
<td>• Various much-needed improvements: easy BoG meeting uploads, improve site organization.</td>
</tr>
<tr>
<td>Plan 3</td>
<td><strong>Microsites for Journals and Schools.</strong> Plan 2 plus: Host sites for Schools, JSAIT, Transactions, chapters, IT Magazine and other special-focus sites (e.g. WITHITS) using distinctive microsites, sites-within-a-site.</td>
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Information Theory Videos

How space-time codes work (MIMO)
Information Theory Society presents a brief history of wireless communication (radio) leading to the idea of multiple-antenna wireless systems (MIMO) and space-time codes

Latest Videos

The Art of the Problem

The Bit Player Trailer
The Bit Player is the first feature film about Claude Shannon, the IEEE Information Theory Society has helped to present.

Distinguished Lecturers

The Information Theory Society established the Distinguished Lecturers Program to promote interest in information theory by supporting chapters who wish to invite prominent information theory researchers to give talks at their events. The Society aims to maintain ten Distinguished Lecturers each serving for two year terms. Typically the TITSc Distinguished Lecturers program provides funding for airfare and travel, and the local chapter funds accommodation and local expenses. If traveling to a different continent, visits to two locations are required. The distinguished lectures should be freely accessible to the public.

Interactive Communications
University of Texas Austin, April 11, 2019

Minimum Rates of Approximate Sufficient Statistics
University of California, January 15, 2019

On the Maximum Size of Block Codes Subject to a Distance Criterion
University of Colorado, March 25, 2019

All data are equal, but some data are more equal than others
University of Rome, March 27, 2019

How to Measure Side-Channel Leakage
University of Minnesota, April 3, 2019

Private Information Retrieval: How to Get Something Without Revealing What You Got
University of California, April 9, 2019
Three Drupal Developers Provided Competitive Estimates

<table>
<thead>
<tr>
<th>Developer</th>
<th>Estimate for Plan 3</th>
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<tbody>
<tr>
<td>Evolving Web</td>
<td>25 employees, Montreal Canada, $125/hour</td>
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<tr>
<td>Specbee</td>
<td>60 employees, Bangalore, India, $40/hour</td>
</tr>
<tr>
<td>Opensense Labs</td>
<td>60 employees, New Delhi, India, $35/hour</td>
</tr>
</tbody>
</table>

Evolving Web quoted a smaller-scale project and requires more work by Online Committee. Many more details are in “Estimates for Upgrading itsoc.org” on the BoG meeting page.

Six Feet Up estimates $5k needed to prepare data for migration.

Maintenance is an additional ongoing expense. Also negotiating this with developers.

**WARNING** — Web development is difficult to estimate accurately.
The Online Committee requests

1. $73,000 to develop a new site for itsoc.org and
2. $5,000 to migrate data from the old site to the new site

for a total of $78,000.