



KAMAILIO WORLD
CONFERENCE & EXHIBITION
BERLIN, GERMANY, MAY 8-10, 2017

Welcome!

Thank you for attending the event!

Elena-Ramona Modroiu
Daniel-Constantin Mierla

www.asipto.com



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Agenda

- Spektrum: the conference room
- Atrium+Dom: the exhibition area (the big hall outside of Spektrum)

- May 9-10 - Conference
 - 09:00 - 10:30 [Spektrum] Presentations
 - 10:30 - 11:00 [Atrium] Coffee Break
 - 11:00 - 12:30 [Spektrum] Presentations
 - 12:30 - 13:30 [Atrium] Lunch
 - 13:30 - 15:30 [Spektrum] Presentations
 - 15:30 - 16:00 [Atrium] Coffee Break
 - 16:00 - 18:00 [Spektrum] Presentations

- May 9 - Social Event - Cocktail Party
 - 19:00 - 21:00 [Atrium]

Interactive sessions

- May 9
 - 17:30 [Spektrum] VUC Pannel by Randy Resnick
 - prepare with hot topics and tough questions
 - 19:00 [Atrium] Social Networking event

- May 10
 - 12:00 [Spektrum] Dangerous Live Demos by James Body
 - prepare yours and enrol in a fight for world recognition and interesting prizes

- May 9-10
 - 09:00-18:00 [Atrium] Exhibition Spots
 - Telnyx
 - Obihai
 - NG Voice
 - Digium
 - Core Network Dynamics - Fraunhofer Fokus
 - Asipto

Registration VAT

*** According to European Union regulations, VAT at the location of the event must be charged to all participants. The 19% German VAT is already included in the price.*

*Participants with a valid EU VAT number **can claim the VAT** back in their country of origin, each local tax authority should provide an electronic portal for this operation.*

Non-European taxable persons can still reclaim the German VAT using the paper-based procedure.

http://ec.europa.eu/taxation_customs/taxation/vat/how_vat_works/vat_on_services/index_en.htm#supply_services

you can claim back 19% from your country tax authority

WiFi

- Network Name (ESSID): **FhG-Guests**

- Open a browser, try to access a web page:
 - username: **FraunhoferForum**
 - password: ... *see the flyers* ...

- Flyers with these details are on the back of the room
 - if needed, ask the registration desk for support

Social Networking

- Twitter Hashtag: #KamailioWorld

- Twitter
 - @kamailioworld
 - @kamailiopproject
- Facebook Page - kamailio:
 - <https://www.facebook.com/Kamailio>
- Google+ Page: kamailio:
 - <https://plus.google.com/114984922071338017631>
- LinkedIn Group: kamailio:
 - <https://www.linkedin.com/groups/kamailio-145924/about>

Kamailio Project Infrastructure By Courtesy Of

- sipwise.com
 - Debian packaging and repository hosting
- voztele.com
 - hosting main server for the project
- asipto.com
 - DNS, mailing lists and servers maintenance
- lod.com
 - hosting backup and additional virtual machines
- *individuals*
 - Victor Seva - project administration
 - Fred Posner - project administration
 - Yeni Monroy - delicious Kamailio cookies
 - Olle E. Johansson - social networking channels



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www.kamailio.org

Kamailio Project

more than 15 years of development

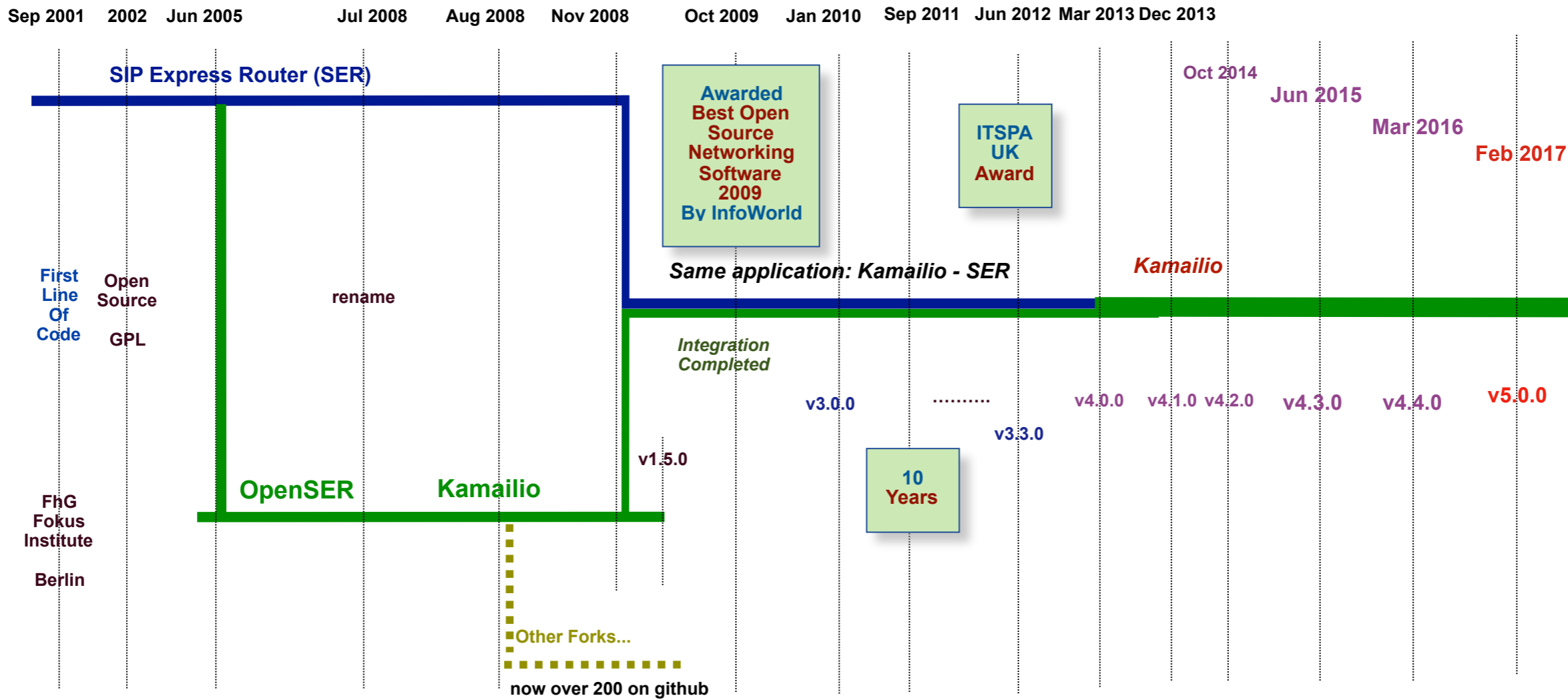
Elena-Ramona Modroiu
Daniel-Constantin Mierla
www.asipto.com

The logo features the word "KAMAILIO" in a bold, dark grey, sans-serif font. Above the letters "A" and "I" is a dark grey, curved swoosh that arches over the text. Below the word is a bright green, curved swoosh that also arches under the text.

KAMAILIO

rock solid sip server since 2001

fast and sipurious



Major Release Series

- ❖ 0.7.x (2001)
- ❖ 0.8.x (2002)
- ❖ 0.9.x (2004)
- ❖ 1.0.x (2005)
- ❖ 1.1.x (2006)
- ❖ 1.2.x (2007)
- ❖ 1.3.x (2007)
- ❖ 1.4.x (2008)
- ❖ 1.5.x (2009)
- ❖ 3.0.x (2010)
- ❖ 3.1.x (2010)
- ❖ 3.2.x (2011)
- ❖ 3.3.x (2012)
- ❖ 4.0.x (2013)
- ❖ 4.1.x (2013)
- ❖ 4.2.x (2014)
- ❖ 4.3.x (2015)
- ❖ 4.4.x (2016)
- ❖ 5.0.x (2017)

Highlights 2016-2017

- ❖ new modules

- ❖ [app_jsdt](#)
- ❖ [ims_ocs](#)
- ❖ [nsq](#)
- ❖ [pua_rpc](#)
- ❖ [rabbitmq](#)
- ❖ [ss7ops](#)
- ❖ [app_sqlang \(5.1\)](#)
- ❖ [call_obj \(5.1\)](#)
- ❖ [evrexec \(5.1\)](#)
- ❖ [ims_diameter_server \(5.1\)](#)
- ❖ [keepalive \(5.1\)](#)
- ❖ [topos_redis \(5.1\)](#)

- ❖ config scripting languages

- ❖ [native - startup optimizations](#)
- ❖ [lua - routing logic hot reload](#)
- ❖ [javascript - routing logic hot reload](#)
- ❖ [python - lots of libraries](#)
- ❖ [squirrel language - routing logic hot reload](#)

<https://www.kamailio.org/wiki/features/new-in-5.0.x>

<https://www.kamailio.org/wiki/features/new-in-devel>

KEMI Framework

- introduced in Kamailio v5.0.0
 - exports a function one time and becomes available in embedded interpreters
 - ***allows reloading routing script without restart***
 - over 60 modules exporting directly to kemi
- updated scripting language embedded interpreters
 - Lua
 - JavaScript
 - Python
 - Squirrel
- not yet updated scripting language embedded interpreters
 - Perl
 - Mono (.NET, C#, ...)
 - Java (?)
- native language still available
 - the old kamailio.cfg scripting language is still there

Source Code Tree Restructured

Kamailio - The Open Source SIP Server - <http://www.kamailio.org>

Edit

[Add topics](#)

📄 25,290 commits

🌿 34 branches

📦 173 releases

👤 142 contributors

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾

 **kamailio-dev** modules: readme files regenerated - ndb_redis ... [skip ci] Latest commit ce7c10c an hour ago

📁 .github	core: github issue template - sections for log messages and sip traffic	4 months ago
📁 doc	doc: entities updated to use lists.kamailio.org	24 days ago
📁 etc	kamilio.cfg: updated the address of sr-users mailing list	24 days ago
📁 misc	misc/examples: handle return code for ksr_route_withinDlg() in kemy p...	17 hours ago
📁 pkg	pkg/kamailio/centos/7: mod kazoo enabled default build	6 days ago
📁 src	modules: readme files regenerated - ndb_redis ... [skip ci]	an hour ago
📁 test	travis: use kamailio/pkg-kamailio-docker	3 months ago
📁 utils	Add and fix #includes for more strict POSIX compliance	7 days ago
📄 .clang-format	root: added .clang-format file	5 months ago
📄 .gitignore	.gitignore: more types of tag files added to ignored list	14 days ago
📄 .travis.yml	travis: use kamailio/pkg-kamailio-docker	3 months ago
📄 COPYING	relocated old and not maintained text files from root to doc/misc	5 months ago
📄 ChangeLog	ChangeLog: refreshed the content for latest stable version 4.4.0	a year ago
📄 INSTALL	INSTALL updating compiler requirements	4 months ago
📄 ISSUES	core: updated the issues file	5 months ago
📄 Makefile	Makefile: clean and tags target for the root folder	5 months ago
📄 README	README: updated the addresses to sr-dev and sr-users mailing lists	24 days ago

Plans For Future 5.x

- **module exports templating**
 - define the module interface in a markup language (yaml?!)
 - use templates to generate:
 - module skeleton and exports to native cfg and kemi
 - docs skeleton and indexes
- **more exports from old module to kemi**
 - over 60 done
 - many don't export functions
- **unit testing**
 - per module
 - for common use cases
- **more continuous integration**
 - build system, releases and packaging
 - new tools

Community Coordination

– collaborative projects

- documentation from wiki to markdown
- review components:
 - presence - sca
 - ims extensions
 - dialog - dialog-ng

– backports

- a way to mark commits suitable for backporting

– brach releases

- stable
- intermediary = stable + selected backports of new features

– events

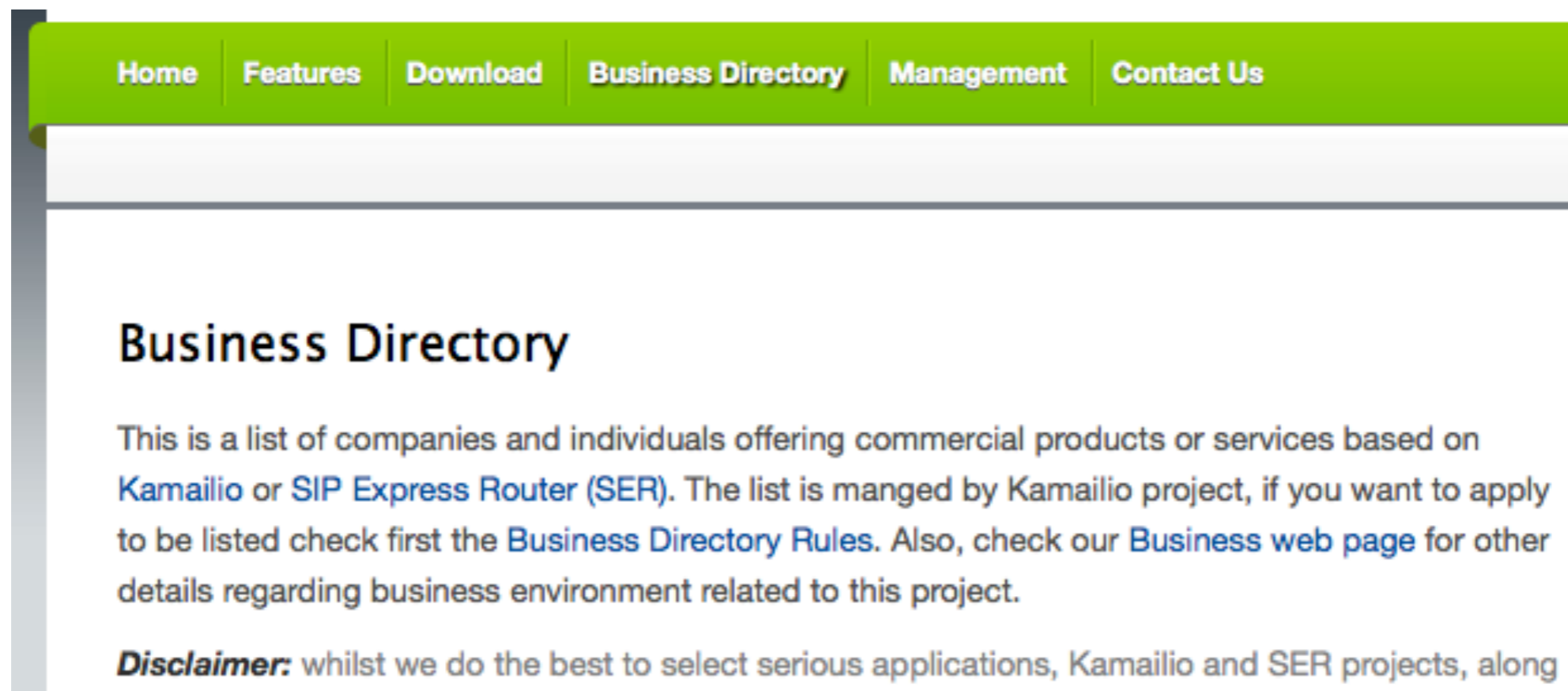
- online or onsite - development, etc.

Kamailio Business Directory

Anyone offering services related to Kamailio can get listed there with:

- *name and contact coordinates*
- *short description*

<https://www.kamailio.org/w/business-directory/>



The screenshot shows a website navigation bar with a green background and white text. The navigation items are: Home, Features, Download, Business Directory (highlighted), Management, and Contact Us. Below the navigation bar is a white header area with a grey border. The main content area has a heading "Business Directory" and a paragraph of text. At the bottom, there is a "Disclaimer" section.

Home | Features | Download | **Business Directory** | Management | Contact Us

Business Directory

This is a list of companies and individuals offering commercial products or services based on [Kamailio](#) or [SIP Express Router \(SER\)](#). The list is managed by Kamailio project, if you want to apply to be listed check first the [Business Directory Rules](#). Also, check our [Business web page](#) for other details regarding business environment related to this project.

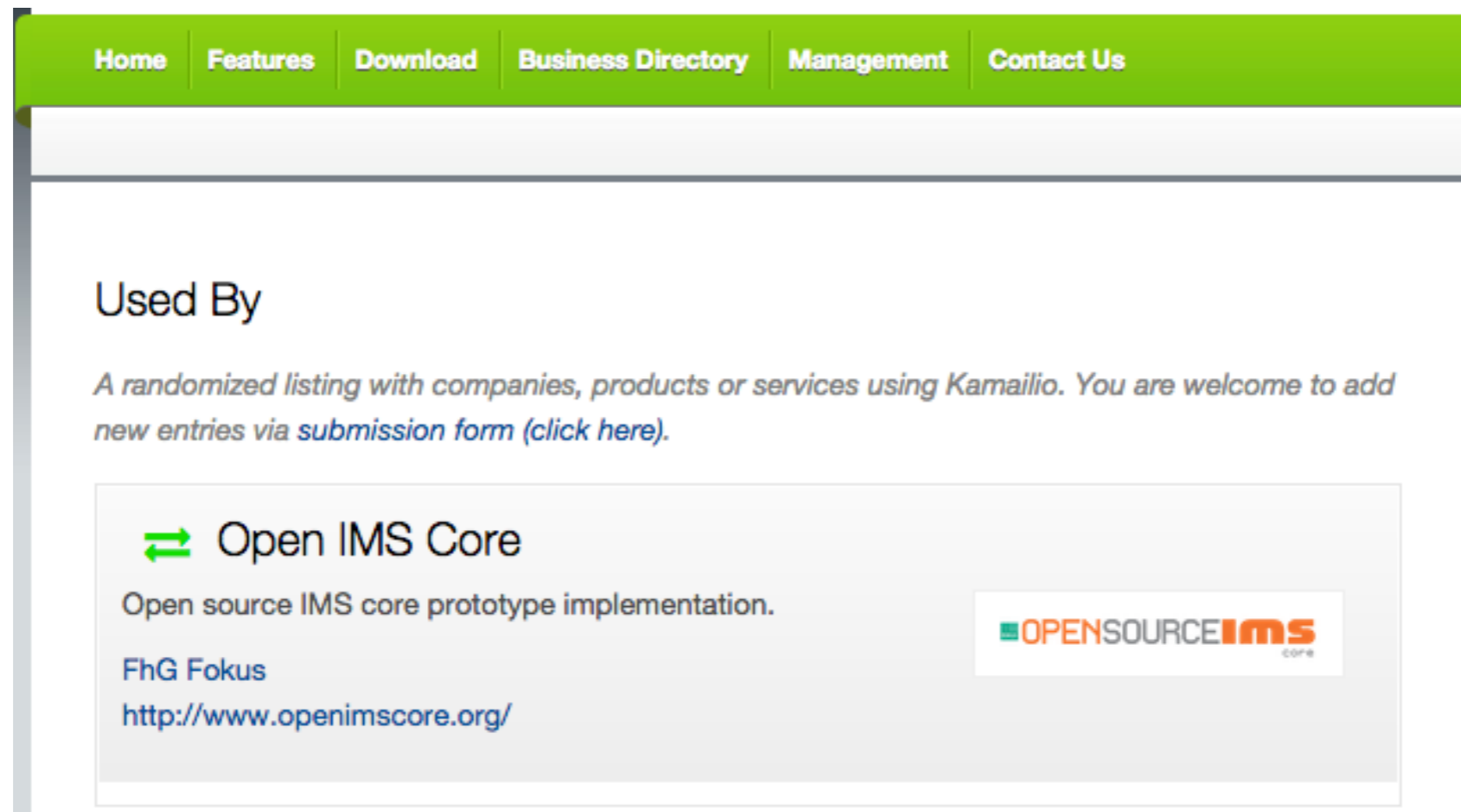
Disclaimer: whilst we do the best to select serious applications, Kamailio and SER projects, along

Kamailio Used-By Directory

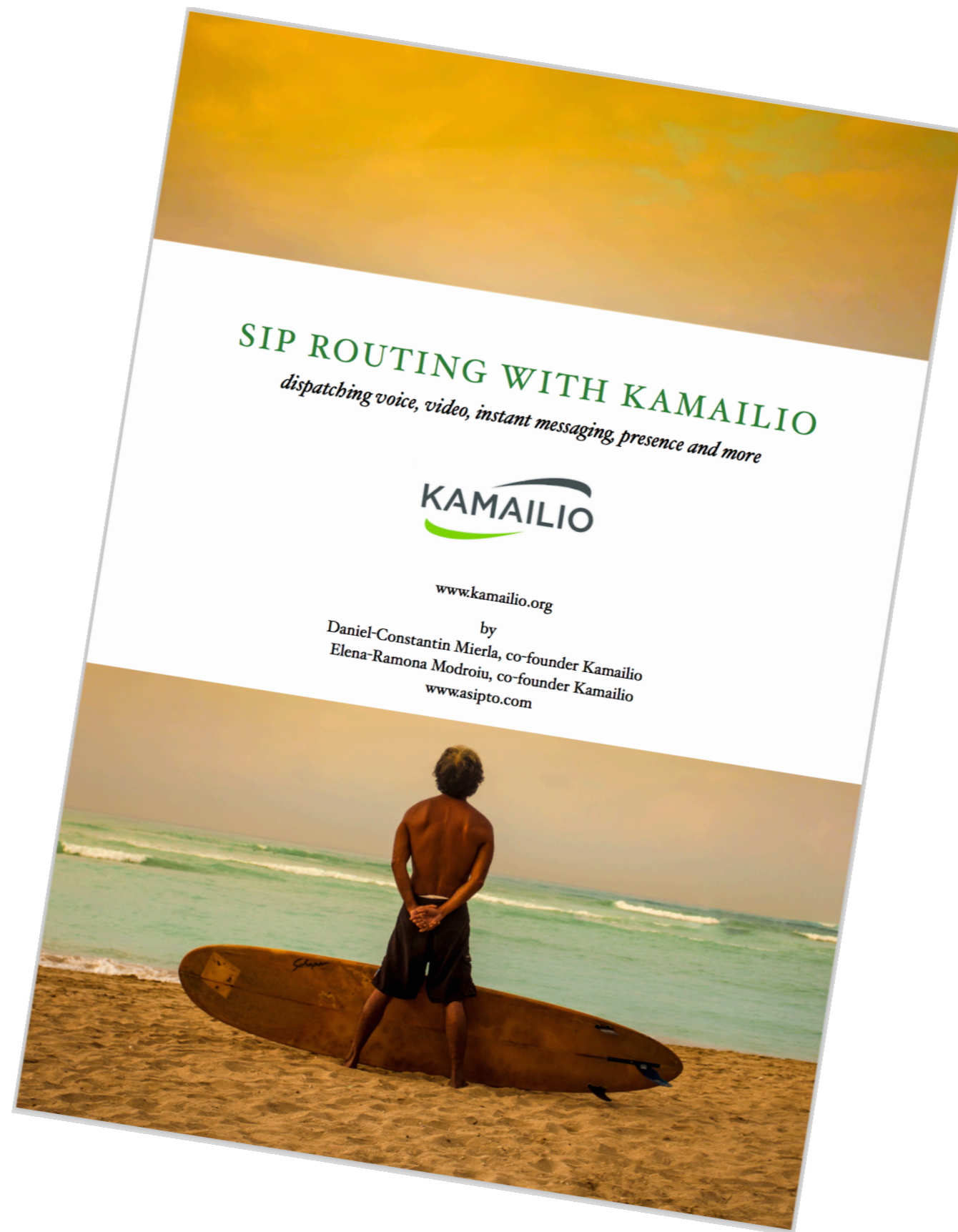
Anyone using Kamailio can get listed there with:

- *name and contact coordinates*
- *short description*
- *logo*

<https://www.kamailio.org/w/used-by/>



The screenshot shows the 'Used By' section of the Kamailio website. The navigation bar at the top includes links for Home, Features, Download, Business Directory, Management, and Contact Us. The main content area is titled 'Used By' and contains a sub-header 'Used By' followed by a description: 'A randomized listing with companies, products or services using Kamailio. You are welcome to add new entries via submission form (click here)'. Below this, there is a listing for 'Open IMS Core' with a green double-headed arrow icon. The listing includes the text 'Open source IMS core prototype implementation.', the name 'FhG Fokus', and the URL 'http://www.openimscore.org/'. To the right of the text is the 'OPENSOURCEims core' logo.



<http://www.asipto.com/sw/kamailio-admin-book/>

Thank you!
Enjoy The Event!!!

Questions?!?

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