Emacs Configuration File

General Settings

1. Whoami

```
(setq user-full-name "Timo Lassmann"
    user-mail-address "timo.lassmann@telethonkids.org.au")
```

2. Emacs directory

```
(defconst tl/emacs-directory (concat (getenv "HOME") "/.emacs.d/"))
(defun tl/emacs-subdirectory (d) (expand-file-name d tl/emacs-directory))
(message "%s" (tl/emacs-subdirectory "elisp"))
(add-to-list 'load-path (tl/emacs-subdirectory "elisp"))
```

3. Sensible setting

```
(load-file "~/.emacs.d/elisp/sensible-defaults.el")
(sensible-defaults/increase-gc-threshold)
(sensible-defaults/use-all-settings)
(sensible-defaults/use-all-keybindings)
```

4. Very general

```
(setq temporary-file-directory "/tmp")
```

5. Modernizing Emacs

Found here how to remove the warnings from the GnuTLS library when using HTTPS... increase the minimum prime bits size:

```
(setq gnutls-min-prime-bits 4096)
```

6. Turn off sleep mode

```
(global-unset-key (kbd "C-z"))
```

7. misc

Assume that I always want to kill the current buffer when hitting C-x k.

```
(defun tl/kill-current-buffer ()
  "Kill the current buffer without prompting."
  (interactive)
  (kill-buffer (current-buffer)))
(global-set-key (kbd "C-x k") 'tl/kill-current-buffer)
```

Never use tabs. Tabs are the devil's whitespace.

```
(setq-default indent-tabs-mode nil)
(setq tab-width 2)
(setq-default tab-always-indent 'complete)
```

Tell emacs about the mactex installation...

```
(setenv "PATH" (concat "/Library/TeX/texbin" ":" (getenv "PATH")))
```

This should do it...

8. Start in fullscreen

Start in fullscreen mode

Package Initialization

1. Check security

2. Package Manager

Emacs has become like every other operating system, and now has a package manager with its own collection repository, but since it is so conservative, we need to add more repositories to get all the sweet goodness, I demand.

3. Use-Package

Using use-package to automatically install certain packages, as well as the ease of lazily loading them.

```
(unless (package-installed-p 'use-package)
  (package-refresh-contents)
```

```
(package-install 'use-package))
(require 'use-package)
```

4. Init File Support

Load up a collection of enhancements to Emacs Lisp, including dash, s for string manipulation, and f for file manipulation.

```
(require 'cl)

(use-package dash
   :ensure t
   :config (eval-after-load "dash" '(dash-enable-font-lock)))

(use-package s
   :ensure t)

(use-package f
   :ensure t)
```

5. Fill Mode

Automatically wrapping when you get to the end of a line (or the fill-region):

6. Undo / redo

According to this article, I get better functionality than the redo+ plugin (which I can't seem to get working well).

End.

Backup

```
(setq backup-directory-alist '(("." . "~/Dropbox/backup")))
```

Tramp should do the same:

```
(setq tramp-backup-directory-alist backup-directory-alist)
```

Make backups of files, even when they're in version control:

```
(setq vc-make-backup-files t)
```

And let's make sure our files are saved if we wander off and defocus the Emacs application:

```
(defun save-all ()
  "Save all dirty buffers without asking for confirmation."
  (interactive)
  (save-some-buffers t))
(add-hook 'focus-out-hook 'save-all)
```

End.

Movement

1. ivy

```
(use-package ivy
  :ensure t
  :diminish (ivy-mode)
  :bind (("C-x b" . ivy-switch-buffer))
  :config
  (ivy-mode 1)
  (setq ivy-use-virtual-buffers t)
  (setq ivy-display-style 'fancy))
```

2. Counsel

```
(use-package counsel
  :ensure t
  :bind
  (("M-y" . counsel-yank-pop)
    :map ivy-minibuffer-map
    ("M-y" . ivy-next-line)))
```

3. Counsel tramp

This is nice - simply M-x counsel-tramp and off we go.

```
(use-package counsel-tramp
  :ensure t
)
```

4. swiper

5. SMEX

```
(use-package smex
  :ensure t
  :init (smex-initialize)
  :bind ("M-x" . smex)
  ("M-X" . smex-major-mode-commands))
```

6. IDO

```
(add-to-list 'completion-ignored-extensions ".bak")
(add-to-list 'completion-ignored-extensions ".obj")
(add-to-list 'completion-ignored-extensions ".map")
(add-to-list 'completion-ignored-extensions ".a")
(add-to-list 'completion-ignored-extensions ".ln")
(add-to-list 'completion-ignored-extensions ".mod")
(add-to-list 'completion-ignored-extensions ".gz")
(add-to-list 'completion-ignored-extensions ".aux")
(add-to-list 'completion-ignored-extensions ".tdo")
(add-to-list 'completion-ignored-extensions ".fmt")
(add-to-list 'completion-ignored-extensions ".swp")
(add-to-list 'completion-ignored-extensions ".pdfsync")
(add-to-list 'completion-ignored-extensions ".pdf")
(add-to-list 'completion-ignored-extensions ".vrb")
(add-to-list 'completion-ignored-extensions ".idx")
(add-to-list 'completion-ignored-extensions ".ind")
(add-to-list 'completion-ignored-extensions ".bbl")
(add-to-list 'completion-ignored-extensions ".toc")
(add-to-list 'completion-ignored-extensions ".blg")
(add-to-list 'completion-ignored-extensions ".snm")
(add-to-list 'completion-ignored-extensions ".ilg")
(add-to-list 'completion-ignored-extensions ".log")
(add-to-list 'completion-ignored-extensions ".out")
(add-to-list 'completion-ignored-extensions ".pyc")
(add-to-list 'completion-ignored-extensions ".DS_Store")
(add-to-list 'completion-ignored-extensions "-blx.bib")
(add-to-list 'completion-ignored-extensions ".run.xml")
(add-to-list 'completion-ignored-extensions ".fls")
(add-to-list 'completion-ignored-extensions ".fdb_latexmk")
(add-to-list 'completion-ignored-extensions ".bcf")
(add-to-list 'completion-ignored-extensions ".rel")
(add-to-list 'completion-ignored-extensions ".epub")
)
```

FLX package:

According to Ryan Neufeld, we could make IDO work vertically, which is much easier to read. For this, I use ido-vertically:

```
(use-package ido-vertical-mode
```

This sorts an IDO filelist by mtime instead of alphabetically.

```
(defun ido-sort-mtime ()
 "Reorder the IDO file list to sort from most recently modified."
  (setq ido-temp-list
        (sort ido-temp-list
              (lambda (a b)
                (ignore-errors
                  (time-less-p
                   (sixth (file-attributes (concat ido-current-directory
                      b)))
                   (sixth (file-attributes (concat ido-current-directory
                      a))))))))
  (ido-to-end ;; move . files to end (again)
   (delq nil (mapcar
              (lambda (x) (and (char-equal (string-to-char x) ?.) x))
              ido-temp-list))))
(add-hook 'ido-make-file-list-hook 'ido-sort-mtime)
(add-hook 'ido-make-dir-list-hook 'ido-sort-mtime)
```

7. Ace-window

```
(use-package ace-window
  :ensure t
  :init
  (setq aw-keys '(?1 ?2 ?3 ?4 ?5 ?6 ?7 ?8))
  :diminish ace-window-mode)
(global-set-key (kbd "C-x o") 'ace-window)
```

8. Avy

```
(use-package avy
  :ensure t
  :init (setq avy-background t))
(global-set-key (kbd "M-s") 'avy-goto-char-timer)
```

9. Smart Scan

```
(use-package smartscan
  :ensure t
```

```
:bind
("M-n" . smartscan-symbol-go-forward)
("M-p" . smartscan-symbol-go-backward))
```

end.

10. Line Numbers

```
(use-package linum
 :ensure t
 :init
 (add-hook 'prog-mode-hook 'linum-mode)
 (add-hook 'linum-mode-hook (lambda () (set-face-attribute 'linum nil :
    height 110)))
 :config
 (defun linum-fringe-toggle ()
    "Toggles the line numbers as well as the fringe." (interactive)
   (cond (linum-mode (fringe-mode '(0 . 0))
                      (linum-mode -1))
          (t
                      (fringe-mode '(8 . 0))
                      (linum-mode 1))))
 :bind (("A-C-k" . linum-mode)
         ("s-C-k" . linum-mode)
         ("A-C-M-k" . linum-fringe-toggle)
         ("s-C-M-k" . linum-fringe-toggle)))
```

relative

11. Turn off mouse FIXME - why here

```
(mouse-wheel-mode -1)
```

```
(global-set-key [wheel-up] 'ignore)
(global-set-key [wheel-down] 'ignore)
(global-set-key [double-wheel-up] 'ignore)
(global-set-key [double-wheel-down] 'ignore)
(global-set-key [triple-wheel-up] 'ignore)
(global-set-key [triple-wheel-down] 'ignore)
```

Org-mode

1. General setup

load org mode

```
(use-package org
  :init
  (setq org-use-speed-commands t
        org-return-follows-link t
        org-completion-use-ido t
        org-outline-path-complete-in-steps nil))
```

Directory, inbox ..

Multiple files for agenda source:

Refile targets / create new targets if necessary

```
(setq org-refile-allow-creating-parent-nodes 'confirm)
```

Drawers

```
(setq org-log-into-drawer t)

;; Add the REPORT drawer
(setq org-drawers '("PROPERTIES" "CLOCK" "LOGBOOK" "REPORT"))
```

Hitting C-c C-x C-s will mark a todo as done and move it to an appropriate place in the archive.

```
(defun tl/mark-done-and-archive ()
  "Mark the state of an org-mode item as DONE and archive it."
  (interactive)
  (org-todo 'done)
  (org-archive-subtree))

;;  (define-key org-mode-map (kbd "C-c C-x C-s") 'tl/
  mark-done-and-archive)
```

Record the time that a todo was archived.

```
(setq org-log-done 'time)
```

2. Capture

Capture templates..

```
(setq org-capture-templates
      (quote (("t" "todo" entry (file+headline org-index-file "Inbox")
               "* TODO %?\nSCHEDULED: %(org-insert-time-stamp (
                  org-read-date nil t \"+0d\"))\n%a\n")
              ("n" "note" entry (file+headline org-index-file "Inbox")
               "* %?\n\n %i\n\n See: %a" :empty-lines 1)
              ("r" "respond" entry (file+headline org-index-file "Inbox")
               "* TODO Respond to %:from on %:subject\nSCHEDULED: %(
                  org-insert-time-stamp (org-read-date nil t \"+0d\"))\n%
                  a\n"
              ("m" "Mail" entry (file+headline org-index-file "Inbox")
               "* TODO %?\n%a %:from %:fromname %:fromaddress" :prepend
                   t : jump-to-captured t)
              ("p" "Daily Plan" plain (file+datetree "~/Dropbox/planning/
                 daily-plan.org")
               "+ [ ] The 3 most important tasks [/]
               - [ ]
               -[]
               - [ ]
             + [ ] Other tasks that are in the system [/]
                - [ ]
```

```
+ [ ] ToDos which are not tracked by my system [/]
- [ ] " :immediate-finish t)
)))
```

3. Taking Meeting Notes

directly from https://github.com/howardabrams/dot-files/blob/master/emacs-org.org) I've notice that while I really like taking notes in a meeting, I don't always like the multiple windows I have opened, so I created this function that I can easily call to eliminate distractions during a meeting.

```
(defun meeting-notes ()
  "Call this after creating an org-mode heading for where the notes for
     the meeting
should be. After calling this function, call 'meeting-done' to reset the
   environment."
  (interactive)
  (outline-mark-subtree)
                                                       ;; Select org-mode
     section
  (narrow-to-region (region-beginning) (region-end)) ;; Only show that
     region
  (deactivate-mark)
  (delete-other-windows)
                                                       ;; Get rid of other
      windows
  (text-scale-set 3)
                                                       ;; Text is now
     readable by others
  (fringe-mode 0)
  (message "When finished taking your notes, run meeting-done."))
```

Of course, I need an 'undo' feature when the meeting is over...

End.

4. Coding

Allow babel to evaluate C ...

```
(org-babel-do-load-languages
'org-babel-load-languages
'((C . t)
    (R . t)
    (emacs-lisp . t)
    (shell . t)
    (makefile . t)
    (latex .t)
    ))
```

Don't ask before evaluating code blocks.

```
(setq org-confirm-babel-evaluate nil)
```

smart brackets in export

```
(setq org-export-with-smart-quotes t)
```

Done.

5. Export

Export packages...

```
(require 'ox-latex)
(require 'ox-beamer)
```

Htmlize required for reveal...

```
(use-package htmlize
  :ensure t)
```

6. Flyspell

Enable spell-checking in Org-mode.

```
(add-hook 'org-mode-hook 'flyspell-mode)
```

7. Color and display

Use syntax highlighting in source blocks while editing.

```
(setq org-src-fontify-natively t)
```

Make TAB act as if it were issued in a buffer of the language's major mode.

```
(setq org-src-tab-acts-natively t)
```

When editing a code snippet, use the current window rather than popping open a new one (which shows the same information).

```
(setq org-src-window-setup 'current-window)
```

8. Image preview

Inline images support:

9. Keybindings

Standard bindings

```
(define-key global-map "\C-cl" 'org-store-link)
(define-key global-map "\C-ca" 'org-agenda)
(define-key global-map "\C-cc" 'org-capture)
```

Quickly open index file

```
(defun open-index-file ()
  "Open the master org TODO list."
  (interactive)
  (find-file org-index-file)
  (flycheck-mode -1)
  (end-of-buffer))

(global-set-key (kbd "C-c i") 'open-index-file)
```

undef a key

10. Org-ref

```
(use-package org-ref
  :ensure t)
```

Define format for bibtex entries

```
;; variables that control bibtex key format for auto-generation
;; I want firstauthor-year-title-words
;; this usually makes a legitimate filename to store pdfs under.
(setq bibtex-autokey-year-length 4
        bibtex-autokey-name-year-separator "-"
        bibtex-autokey-year-title-separator "-"
        bibtex-autokey-titleword-separator "-"
        bibtex-autokey-titlewords 2
        bibtex-autokey-titlewords-stretch 1
        bibtex-autokey-titleword-length 5)
```

Where are the refs?

```
(setq reftex-default-bibliography '("~/Dropbox/work/bibliography/
    references.bib"))

;; see org-ref for use of these variables
(setq org-ref-bibliography-notes "~/Dropbox/work/bibliography/notes.org"
    org-ref-default-bibliography '("~/Dropbox/work/bibliography/
        references.bib")
    org-ref-pdf-directory "~/Dropbox/work/bibliography/bibtex-pdfs/")
```

```
(setq org-ref-completion-library 'org-ref-ivy-cite)
```

End.

11. Latex templates

Latex templates

```
(setq texcmd "jobname=$(basename %f | sed 's/\.tex//');latexmk -
      xelatex -shell-escape -quiet %f && mkdir -p latex.d && mv ${
      ,aux} .")
   ;; pdflatex -> .pdf
   (if (string-match "LATEX_CMD: pdflatex" (buffer-string))
       (setq texcmd "latexmk -pdflatex='pdflatex -interaction
          nonstopmode' -pdf -bibtex %f"))
   ;; xelatex -> .pdf
   (if (string-match "LATEX_CMD: xelatex" (buffer-string))
       (setq texcmd "latexmk -pdflatex='xelatex -interaction nonstopmode
          ' -pdf -bibtex -f %f"))
   ;; LaTeX compilation command
   (setq org-latex-pdf-process (list texcmd))))
(org-add-hook 'org-export-before-processing-hook 'sk-latexmk-cmd)
(unless (boundp 'org-latex-classes)
 (setq org-latex-classes nil))
```

12. NHMRC project grant

Rebuttal...

```
("\\paragraph{%s}" . "\\paragraph*{%s}")
("\\subparagraph{%s}" . "\\subparagraph*{%s}")))
```

13. ARC Discovery Grant

14. Internal report

15. Simple presentation

end.

Writing

1. Flyspell config

```
Installing aspell on linux:
```

```
apt install aspell-en
```

on mac:

brew install aspell

Note in the config below I assume aspell is installed in /usr/bin/!.

```
(use-package flyspell
 :ensure t
 :diminish flyspell-mode
 :init
 (add-hook 'prog-mode-hook 'flyspell-prog-mode)
 (dolist (hook '(text-mode-hook org-mode-hook))
   (add-hook hook (lambda () (flyspell-mode 1))))
 (dolist (hook '(change-log-mode-hook log-edit-mode-hook
    org-agenda-mode-hook))
   (add-hook hook (lambda () (flyspell-mode -1))))
 :config
 (setq ispell-program-name "aspell"
       ispell-local-dictionary "en_GB"
        ;;ispell-dictionary "american"; better for aspell
       ispell-extra-args '("--sug-mode=ultra" "--lang=en_GB")
       ispell-list-command "--list"
       ispell-local-dictionary-alist '(("en_GB" "[[:alpha:]]" "[^[:alpha
           :]]" "('[']"
                                      t ; Many other characters
                                      ("-d" "en_GB") nil utf-8))))
```

There is more stuff in Howard Abram's config but I'll leave this for now...

2. Writegood mode

This does not work - there is a wring gpg signature in melpa...

```
(add-hook 'org-mode-hook 'writegood-mode)
)
```

this mode will improve various aspects of writing.

3. LangTool

I added the Emacs-langtool code from:

```
https://github.com/mhayashi1120/Emacs-langtool
```

To my /elisp/ directory.

To install langtool install maven package, java 8 then:

```
cd ~/programs
git clone https://github.com/languagetool-org/languagetool.git
./build.sh languagetool-standalone package
```

This does not work!

I now simply download the pre-compiles zip package...

To load:

```
(require 'langtool)
(setq langtool-language-tool-jar "/home/user/programs/langtool/
    LanguageTool-4.0/languagetool-commandline.jar")
```

Programming

General programming settings..

1. General

I like shallow indentation, but tabs are displayed as 8 characters by default. This reduces that.

```
(setq-default tab-width 2)
```

Treating terms in CamelCase symbols as separate words makes editing a little easier for me, so I like to use subword-mode everywhere.

```
(global-subword-mode 1)
```

Compilation output goes to the **compilation** buffer. I rarely have that window selected, so the compilation output disappears past the bottom of the window. This automatically scrolls the compilation window so I can always see the output.

```
;;(setq compilation-scroll-output t)
(setq compile-command "make")
(setq compilation-scroll-output 'first-error)
(setq compilation-always-kill t)
```

```
(setq compilation-disable-input t)
(add-hook 'compilation-mode-hook 'visual-line-mode)
```

Flycheck

2. Magit

I played with this before..

```
(use-package magit
 :ensure t
 :commands magit-status magit-blame
 :init
  (defadvice magit-status (around magit-fullscreen activate)
    (window-configuration-to-register :magit-fullscreen)
    ad-do-it
    (delete-other-windows))
 :config
  (setq magit-branch-arguments nil
        ;; use ido to look for branches
        magit-completing-read-function 'magit-ido-completing-read
        ;; don't put "origin-" in front of new branch names by default
        magit-default-tracking-name-function '
           magit-default-tracking-name-branch-only
        magit-push-always-verify nil
        ;; Get rid of the previous advice to go into fullscreen
        magit-restore-window-configuration t)
 :bind ("C-x g" . magit-status))
```

magit end.

3. Aggressive Auto Indention

Automatically indent without use of the tab found in this article, and seems to be quite helpful for many types of programming languages.

To begin, we create a function that can indent a function by calling indent-region on the beginning and ending points of a function.

Next, create a hook that will call the indent-defun with every command call:

4. Auto Complete

```
(use-package company-c-headers
 :ensure t
 )
(use-package company-math
 :ensure t
 )
(use-package company-shell
 :ensure t
 )
(use-package company
 :ensure t
 :init
  (setq company-dabbrev-ignore-case t
        company-show-numbers t)
  (add-hook 'after-init-hook 'global-company-mode)
 :config
  (add-to-list 'company-backends 'company-math-symbols-unicode)
  (add-to-list 'company-backends 'company-c-headers)
  (add-to-list 'company-backends 'company-shell)
```

```
:bind ("C-:" . company-complete) ; In case I don't want to wait
:diminish company-mode)

(use-package company-quickhelp
    :ensure t
    :config
    (company-quickhelp-mode 1))

(add-hook 'c-mode-hook 'company-mode)

(use-package company-statistics
    :ensure t
    )
```

To make this work properly, I need to manually specify the include paths by putting a .dir-locals.el into the source directory of my C code. I.e. most of the time this will be src and I need to point to ../tldevel.

In addition add the include path to flycheck-clang!

((c-mode (eval setq company-clang-arguments (append company-clang-arguments '("-I../tldeve ((c-mode (eval setq flycheck-clang-include-path (append flycheck-clang-include-path '("-

5. Yasnippet

Yasnippet

```
(use-package yasnippet
    :ensure t
    :init
    (yas-global-mode 1)
    :config
    (add-to-list 'yas-snippet-dirs (tl/emacs-subdirectory "snippets")))
```

6. Comments

```
(use-package smart-comment
  :ensure t
  :bind ("M-;" . smart-comment))
```

7. Tags:

```
(use-package etags
:init (setq tags-revert-without-query 1))
```

```
(use-package ctags-update
  :ensure t
  :config
  (add-hook 'prog-mode-hook 'turn-on-ctags-auto-update-mode)
  :diminish ctags-auto-update-mode)
```

8. C

ggtags

```
(use-package ggtags
  :ensure t
  :init
  (add-hook 'c-mode-common-hook
            (lambda ()
              (when (derived-mode-p 'c-mode)
                (ggtags-mode 1))))
  :config
                                         ; This must be set to the
                                            location of gtags (global)
  ;;(setq gqtaqs-executable-directory "~/qlobal-6.5.6/bin/")
                                         ; Allow very large database files
  (setq ggtags-oversize-limit 104857600)
  (setq ggtags-sort-by-nearness t)
  (setq ggtags-use-idutils t)
  (setq ggtags-use-project-gtagsconf nil)
  :bind (
         ;;("M-," . gtags-pop-stack)
         ;; ("M-/" . ggtags-find-reference)
         ;;("M-]" . ggtags-idutils-query)
         :map ggtags-navigation-map
                                         ; Ergo
         ("M-u" . ggtags-navigation-previous-file)
         ("M-o" . ggtags-navigation-next-file)
         ("M-1" . ggtags-navigation-visible-mode)
```

```
("M-j" . ggtags-navigation-visible-mode)
("M-k" . next-error)
("M-i" . previous-error)
) ; end :bind
)
```

Counsel-gtags

```
(use-package counsel-gtags
  :ensure t
  ;;:bind (
    ;;    ("M-t" . counsel-gtags-find-definition)
    ;;    ("M-r" . counsel-gtags-find-reference)
    ;;("M-s" . counsel-gtags-find-symbol)
    ;;    ("M-," . counsel-gtags-go-backward)
    ;;   )
  :init
  (add-hook 'c-mode-hook 'counsel-gtags-mode)
  (add-hook 'c++-mode-hook 'counsel-gtags-mode)
)
```

Smartparens

```
(use-package smartparens
  :ensure t
  :init (add-hook 'c-mode-hook 'smartparens-mode))
```

SET BSD indent style

```
(add-hook 'c-mode-hook
    '(lambda()
          (c-set-style "bsd")
          ))
```

Don't ask with make command to run...

```
(setq compilation-read-command nil)
```

9. ESS (emacs speaks statistics...).

```
(use-package ess
  :ensure t
  :init (require 'ess-site))
```

Email

```
(require 'starttls)
(setq starttls-use-gnutls t)
```

```
(require 'smtpmail)
(setq send-mail-function 'smtpmail-send-it
    message-send-mail-function 'smtpmail-send-it
    starttls-use-gnutls t
    smtpmail-starttls-credentials '(("smtp.office365.com" 587 nil nil)
    )
    smtpmail-auth-credentials (expand-file-name "~/.authinfo.gpg")
    smtpmail-smtp-server "smtp.office365.com"
    smtpmail-stream-type 'starttls
    smtpmail-smtp-service 587)
```

1. Mu4e

On a mac install mu via brew:

```
brew install mu --with-emacs --HEAD
```

and make sure the path below points to the same HEAD directory!

```
(cond
 ((string-equal system-type "windows-nt"); Microsoft Windows
 (progn
    (message "Microsoft Windows")))
 ((string-equal system-type "darwin"); Mac OS X
 (progn
    (add-to-list 'load-path "/usr/local/Cellar/mu/HEAD-7d6c30f/share
       /emacs/site-lisp/mu/mu4e")
    (setq mu4e-mu-binary "/usr/local/bin/mu")
 ((string-equal system-type "gnu/linux") ; linux
 (progn
    (add-to-list 'load-path "~/programs/mu/mu4e")
    (setq mu4e-mu-binary "~/programs/mu/mu/mu")
   )))
;; (add-to-list 'load-path "~/programs/mu/mu4e")
           (add-to-list 'load-path "/usr/local/share/emacs/site-lisp
;;
  /mu/mu4e")
;; the modules
;;(if (file-exists-p mu4e-mu-binary)
;; (message "Loading Mu4e...")
```

```
(if (not (require 'mu4e nil t))
       (message "`mu4e' not found")
       ;; (require 'mu4e)
       (require 'org-mu4e)
       (message "Loading Mu4e...")
       (setq mu4e-maildir (expand-file-name "~/Maildir"))
       (setq mu4e-sent-folder "/office365/sent")
       (setq mu4e-drafts-folder "/drafts")
       (setq mu4e-refile-folder "/office365/Archive")
                                                      ;; saved messages
       (setq mu4e-trash-folder "/office365/trash")
       (setq message-kill-buffer-on-exit t)
       (setq mu4e-change-filenames-when-moving t)
       (setq mu4e-confirm-quit nil)
       (setq mail-user-agent 'mu4e-user-agent)
       (setq mu4e-sent-messages-behavior 'sent)
       (setq mu4e-view-show-addresses t)
       (setq mu4e-attachment-dir "~/Downloads")
       (define-key mu4e-headers-mode-map (kbd "C-c c") '
          org-mu4e-store-and-capture)
       (define-key mu4e-view-mode-map (kbd "C-c c") '
          org-mu4e-store-and-capture)
       (setq mu4e-get-mail-command "~/programs/offlineimap/offlineimap.py
          ")
       (setq mu4e-compose-signature
                          "Associate Professor Timo Lassmann
Feilman Fellow
Academic Head of Computational Biology, Telethon Kids Institute
Adjunct Associate Professor, Center for Child Health Research
University of Western Australia
```

```
Telethon Kids Institute

100 Roberts Road, Subiaco, Western Australia, 6008

PO Box 855, West Perth, Western Australia, 6872

https://scholar.google.com.au/citations?user=7fZs_tEAAAAJ&hl=en

Visiting Scientist, RIKEN Yokohama Institute, Japan

Division of Genomic Technology,

RIKEN Center for Life Science Technologies,

Yokohama Institute,1-7-22 Suehiro-cho,

Tsurumi-ku, Yokohama, 230-0045 JAPAN")

)
```

Spell check

TRAMP

Autoinsert templates

Again from Howards Abrams:

```
(use-package autoinsert
    :ensure t
    :init
    (setq auto-insert-directory (tl/emacs-subdirectory "templates/"))
    ;; Don't want to be prompted before insertion:
    (setq auto-insert-query nil)

    (add-hook 'find-file-hook 'auto-insert)
    (auto-insert-mode 1))
```

Use yes snippet for templates.

```
(defun tl/autoinsert-yas-expand()
   "Replace text in yasnippet template."
   (yas-expand-snippet (buffer-string) (point-min) (point-max)))
```

Set templates

```
(use-package autoinsert
    :config
    (define-auto-insert "\\.org$" ["default-orgmode.org" tl/
         autoinsert-yas-expand]))
```

Errors

Sometimes there is a problem with org "org-header function is void..

In this case delete the *elc files in the org dir:

```
cd .emacs.d/elpa/org-ZXXX/
rm -rf *elc
```

(require 'init-local nil t)

End

End

```
;;(if (window-system)
    ;; (require 'init-client)
   ;; (if (daemonp)
    ;; (add-hook 'after-make-frame-functions
                   (lambda (frame)
                      (tl/change-theme 'gotham 'org-src-color-blocks-dark
   ;;
      )))
    ;; (tl/change-theme 'gotham 'org-src-color-blocks-dark))
    ;; (require 'init-client)
    ;;((message "nada")))
(if (daemonp)
(add-hook 'after-make-frame-functions
          '(lambda (f)
             (with-selected-frame f
               (when (window-system f) (require 'init-client) ))))
(require 'init-client) )
```

(provide 'config-main)

All good.

;; #+BEGIN $_{EXAMPLE}$ emacs-lisp ;; = irony-mode = (use-package irony :ensure t :defer t :init (addhook 'c++-mode-hook 'irony-mode) (add-hook 'c-mode-hook 'irony-mode) (add-hook 'objc-mode-hook 'irony-mode) :config ;; replace the 'completion-at-point' and 'complete-symbol' bindings in ;; irony-mode's buffers by irony-mode's function (defun my-irony-mode-hook () (define-key irony-mode-map [remap completion-at-point] 'irony-completion-at-point-async) (define-key irony-mode-map [remap complete-symbol] 'irony-completion-at-point-async)) (add-hook 'irony-mode-hook 'my-irony-mode-hook) (add-hook 'irony-mode-hook 'irony-cdb-autosetup-compile-options)) ;; = company-mode = (use-package company :ensure t :defer t :init (add-hook 'after-init-hook 'global-company-mode) :config (use-package company-irony :ensure t :defer t) (setq company-idle-delay nil company-minimum-prefix-length 2 company-show-numbers t company-tooltip-limit 20 company-

dabbrev-downcase nil company-backends '((company-irony company-gtags))):bind ("C-;". company-

;; #+END_{EXAMPLE}

complete-common))

This itt