%%%% Better Poster latex template v1.0 (2019/04/04)

%%%% GNU General Public License v3.0

%%%% Rafael Bailo

%%%% https://github.com/rafaelbailo/betterposter-latex-template

%%%%

%%%% Original design from Mike Morrison

%%%% https://twitter.com/mikemorrison

\NeedsTeXFormat{LaTeX2e}

\ProvidesClass{betterposter}[2019/04/04 Better Poster latex template v1.0]

%% "article" as the base class

\LoadClass{article}

\pagestyle{empty}

%%%% REQUIRED PACKAGES

%% Paper size

\RequirePackage{geometry}

\geometry{a0paper}

%% Paper orientation

\geometry{landscape}

%% Remove default margins

\geometry{margin=0in}

%% Font

\RequirePackage{cmbright}

\RequirePackage[default]{lato}

\RequirePackage[T1]{fontenc}

%% Small separation on enumerate and itemize

\RequirePackage{enumitem}

\setlist{nolistsep}

\setenumerate{noitemsep}

\setitemize{noitemsep}

\setlength{\parindent}{0pt}

%% Colours

\RequirePackage{xcolor}

%\definecolor{imperialblue}{RGB}{0,62,116}

\definecolor{UCLABlue}{RGB}{39,116,174}

\definecolor{empirical}{RGB}{0,77,64}

\definecolor{theory}{RGB}{26,35,126}

\definecolor{methods}{RGB}{140,22,22}

\definecolor{intervention}{RGB}{255,213,79}

\newcommand{\columnbackgroundcolor}{white}

\newcommand{\columnfontcolor}{black}

\newcommand{\maincolumnbackgroundcolor}{UCLABlue}

\newcommand{\maincolumnfontcolor}{white}

%% Graphics

\RequirePackage{graphicx}

%% AMS packages

\RequirePackage{amsmath}

\RequirePackage{amsfonts}

\RequirePackage{amssymb}

%%%% SIZE COMMANDS

%% Poster lengths

\newlength{\leftbarwidth}

\newlength{\rightbarwidth}

\newlength{\columnmarginvertical}

\newlength{\columnmarginhorizontal}

\newlength{\maincolumnmarginvertical}

\newlength{\maincolumnmarginhorizontal}

%%%% SIZING OPTIONS

\newcommand{\fontsizestandard}{\fontsize{32.00}{50.50} \selectfont}

\newcommand{\fontsizemain}{\fontsize{116.00}{220.00} \selectfont}

\newcommand{\fontsizetitle}{\fontsize{80.00}{120.00} \selectfont}

\newcommand{\fontsizeauthor}{\fontsize{48.00}{68.00} \selectfont}

\newcommand{\fontsizesection}{\fontsize{48.00}{68.00} \selectfont}

\DeclareOption{a2paper}{

\geometry{a2paper}

\renewcommand{\fontsizestandard}{\fontsize{16.00}{25.00} \selectfont}

\renewcommand{\fontsizemain}{\fontsize{58.00}{110.00} \selectfont}

\renewcommand{\fontsizetitle}{\fontsize{40.00}{50.00} \selectfont}

\renewcommand{\fontsizeauthor}{\fontsize{24.00}{34.00} \selectfont}

\renewcommand{\fontsizesection}{\fontsize{24.00}{34.00} \selectfont}

}

\DeclareOption{a1paper}{

\geometry{a1paper}

\renewcommand{\fontsizestandard}{\fontsize{22.63}{35.36} \selectfont}

\renewcommand{\fontsizemain}{\fontsize{82.02}{155.56} \selectfont}

\renewcommand{\fontsizetitle}{\fontsize{56.57}{70.71} \selectfont}

\renewcommand{\fontsizeauthor}{\fontsize{33.94}{48.08} \selectfont}

\renewcommand{\fontsizesection}{\fontsize{33.94}{48.08} \selectfont}

}

\DeclareOption{a0paper}{

\geometry{a0paper}

}

\DeclareOption\*{\PassOptionsToClass{\CurrentOption}{article}}

\ProcessOptions\relax

%% Default values for lengths

\setlength{\leftbarwidth}{0.2\paperwidth}

\setlength{\rightbarwidth}{0.2\paperwidth}

\setlength{\columnmarginvertical}{0.025\paperheight}

\setlength{\columnmarginhorizontal}{0.025\paperheight}

\setlength{\maincolumnmarginvertical}{0.07\paperheight}

\setlength{\maincolumnmarginhorizontal}{0.07\paperheight}

%%%% TEMPLATE COMMANDS

%% Main beterposter command

\newcommand{\betterposter}[3]{%

\noindent

% Left column

\column{\dimexpr 1.0\textheight\relax}{\leftbarwidth}%

{\columnbackgroundcolor}{\columnfontcolor}{\columnmarginvertical}{\columnmarginhorizontal}{#2}%

% Central column

\column{\dimexpr 1.0\textheight\relax}{

\dimexpr 1.0\textwidth-\leftbarwidth-\rightbarwidth\relax

}{\maincolumnbackgroundcolor}{\maincolumnfontcolor}{\maincolumnmarginvertical}{\maincolumnmarginhorizontal}{#1}%

% Right column

\column{\dimexpr 1.0\textheight\relax}{\rightbarwidth}%

{\columnbackgroundcolor}{\columnfontcolor}{\columnmarginvertical}{\columnmarginhorizontal}{#3}%

}

%% Coloured column command

\newcommand{\column}[7]{%

\begin{minipage}[t][#1][t]{#2}%

\noindent\colorbox{#3}{%

\begin{minipage}[t][

\dimexpr 1.0\textheight\relax

][t]{\dimexpr 1.0\textwidth-0\fboxrule-2\fboxsep\relax}

{\leavevmode\color{#4}\centeredpage{#5}{#6}{#7}}

\end{minipage}}%

\end{minipage}%

}

%% Page with margins command

\newcommand{\centeredpage}[3]{%

\begin{minipage}[c][\textheight][c]{\textwidth}

\begin{center}

\begin{minipage}[t][

\dimexpr 1.0\textheight-2.0#1\relax

][t]{

\dimexpr 1.0\textwidth-2.0#2\relax

}

{\fontsizestandard #3}

\end{minipage}

\end{center}

\end{minipage}

}

%% Main column command

\newcommand{\maincolumn}[2]{

\vfill{

\fontsizemain

#1

\vspace{1em}

}

\vfill

\begin{minipage}[t][0.25\textheight][b]{\textwidth}

#2

\end{minipage}

}

%% QR code

\newcommand{\qrcode}[3]{

\begin{minipage}[c]{0.30\textwidth}

\includegraphics[width=\textwidth]{#1}

\end{minipage}%

\begin{minipage}[c]{0.12\textwidth}

\hfill

\includegraphics[height=0.85\textwidth]{#2}

\end{minipage}%

\begin{minipage}[c]{0.50\textwidth}

#3

\end{minipage}%

}

%% Compact QR code

\newcommand{\compactqrcode}[2]{

\begin{minipage}[t]{0.3\textwidth}

\includegraphics[width=\textwidth]{#1}

#2

\end{minipage}%

}

%% Section command

\renewcommand{\section}[1]{

\vspace{2em}{\fontsizesection\selectfont

\textbf{\leavevmode

#1

}}\\[0.5em]

}

%% Title command

\renewcommand{\title}[1]{

{\fontsizetitle\textbf{\leavevmode

#1

}}\\

}

%% Author command

\renewcommand{\author}[1]{

{\color{gray}\fontsizeauthor

#1

}\\[-1.0em]

}

%% Institution command

\newcommand{\institution}[1]{

\vspace{-1em}

{\color{gray}

#1

}\\[-1.0em]

}