Programming Schedule

Day	Time	Activity	Details
Monday January - 19 (Week 1)	08:30 – 09:00	Opening Ceremony	Welcome and event introduction
	09:00 - 09:30	Official Photo	Official photo of the event
	17:30 - 19:00	Opening cocktail	
Monday to Thursday (Week 1) January 19-22	09:00 – 10:30	Lecture 1 **(Apenas na segunda-feira - 19/01 esse curso começará as 09:30h devido a Cerimônia de abertura e foto oficial. Nos demais dias seguem normalmente)**	Course: Topological Data Analysis in Complex Systems. Instructor: **Fernando A. N. Santos -** (University of Amsterdam - UvA)
	10:45 – 12:15	Lecture 2	Course: Mathematical Modeling of Epidemiological Systems. Instructor: **Danilo B. de Souza** (Basque Center for Applied Mathematics - Spain), **João Gondim UFPE** (Universidade Federal de Pernambuco - Brazil).
	12:30 – 14:00	Lunch	Lunch break
	14:00 – 15:30	Practical Session/ Application (Course 1)	Discussions, projects, group activities, and programming with the instructors
	15:30 – 16:00	Coffee Break	Break
	16:00 – 17:30	Practical Session / Application (Course 2)	Discussions, projects, group activities, and programming with the instructors
Additional activity Wednesday - 21/01 Week 1	15:00 – 15:30	Poster Session	Participant Presentations
Friday (Week 1) January 23	09:00 -- 12:30	Thematics Sessions - UFPE	Parallel talks on research
	14:00 -- 17:30	Thematics Sessions - UFPE	Parallel talks on researc

Saturday January 24	09:00 -- 16:00	Cultural Activities	Optional cultural activities - Olinda and Recife Antigo

Day	Time	Activity	Details
Monday to Thursday (Week 2) January 26-29	09:00 – 10:30	Lecture 3	Course: Mathematical Modeling in Neuroscience. Instructors: **Marilyn Gatica** (Institute Northeastern University London - UK)**, Leonardo Gollo** (Campus Universitat de les Illes Balears - Spain)**, Fernanda Selingardi** (Universidade de Alagoas - Brazil)
	10:45 -- 112:15	Lecture 4	Course: Markov Decision Processes and Reinforcement Learning. Instructors: **Luiz Felipe Martins** (Cleveland State University - EUA)
	12:30 -- 14:00	Lunch	Lunch break
	14:00 – 15:30	Practical Session / Application (Course 3)	Discussions, projects, group activities, and programming with the instructors
	15:30 -- 16:00	Coffee Break	Break
	16:00 – 17:30	Practical Session / Application (Course 4)	Discussions, projects, group activities, and programming with the instructors
Additional activity - Monday 26/01 Week 1	15:00 - 15:30	Short oral presentations by the participants	A space for participants to discuss their research
Friday (Week 2) January 30	09:00 -- 12:30	Thematics Sessions - UFPE	Parallel talks on researc
	14:00 -- 17:30	Thematics Sessions - UFPE	Parallel talks on researc
À definir	?	Closing Ceremony	Farewell event and conclusion of the program

Research Talks & Thematic Sessions

1. Mathematical Analysis - Data: 23/01 - Horário: 09:00 às 17:30 - **Sessão Confirmada - Palestras no site**
2. Complex Systems in Physics and Statistics - Data: 23/01 - Horário: 09:00 às 17:30 - **Sessão Confirmada - Palestras no site**

3. Algebra - Data: 23/01 - Horário: 09:00 às 12:30 - **Sessão Confirmada - Palestras no site**
4. **Combinatorics - Data: 23/01 - Horário: 09:00 às 17:30 - Sessão Pendente**

5. Dynamical Systems - Data: 30/01 - Horário: 09:00 às 17:30 - **Sessão Confirmada - Palestras no site**
6. Dfferential Geometry - Data: 30/01 - Horário: 09:00 às 17:30 - **Sessão Confirmada - Palestras no site**
7. Neurosciences - Data: 30/01 - Horário: 09:00 às 17:30 - **Sessão Confirmada - Palestras no site**
8. Stochastic Modeling - Data: 30/01 - Horário: 09:00 às 17:30 - **Sessão Confirmada - Palestras pendentes**