

BE9-MBMI - **Brain-Machine Interfaces.**

Coursework (Paper on Decoding)

The deadline for the group reports is on the day of the BMI exam at noon. They need to be uploaded on Turnitin. The code used to generate all the figures have to be submitted as well and the plagiarism algorithm will be run (i.e. you have to generate your own code). BlackBoard will not accept submission after this time. Feedback to be provided within two weeks.

Structure the report as described in the attached Template: maximum 4 sides of two-column A4 paper. *This includes references.* All team members should co-author the report: you should meet to plan how you will coordinate the writing. We encourage groups to use the free online collaborative Latex editing tool Overleaf, which includes the template we are using. To keep your report within 4 pages, you will need to write concisely: this is good practice. Do not go over length – 10% will be deducted from your marks if you do so. Also, please stick to the recommended font and font size.

The contributions of each member should be *concisely* noted in a section at the end. If team members do not contribute, note this as well. Order your authors alphabetically in the author list. Team members will *normally* receive the same, joint, mark for the report, however we reserve the right to bump individual members marks up or down. All members should upload a copy of the group report to Blackboard: the feedback will be marked up on the first author of the report (author with surname closest to 'A'): that person should share it with the other members of the group.

Describe the approach you took to solving the problem. Describe your methods and results, including figures and/or tables describing the performance of your algorithm. In the Discussion, critically discuss the performance of your algorithm and how it could be improved. How does it compare against other approaches? A First Class report would be, essentially, of a standard acceptable for submission to a conference such as the *International IEEE EMBS Conference on Neural Engineering*.

Frequently asked questions:

- Can you use existing code to compare your algorithm for the report: Yes, you can. But you have to cite it properly.
- What if somebody did not contribute. We will adjust that in the mark.
- Can we still improve our code after the BMI challenge? Yes, you can but you are not required to do so.
- Are the results of the competition influencing the grades for the report? No! If your results at the competition are not top but you know why and you explain that well, think about future improvement, etc, you can still have a top grade.
- What is the deadline? On the day of the BMI exam at noon.